

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081624\  
 Data File : BF139053.D  
 Acq On : 16 Aug 2024 12:14  
 Operator : RC/JU  
 Sample : P3390-02  
 Misc : LOQ-SOIL-5ppm  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 16 12:33:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 48160    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.116  | 136  | 193025   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.869  | 164  | 111683   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 201989   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.998 | 240  | 106531   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.469 | 264  | 85586    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 358168   | 114.802 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 476952   | 113.865 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 363713   | 92.125  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 114043   | 124.660 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 675128   | 90.827  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.939 | 244  | 677107   | 106.416 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.593  | 88   | 5995     | 4.389   | ng    | # 83     |
| 3) Pyridine                   | 3.452  | 79   | 12108m   | 3.659   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.334  | 42   | 10241    | 5.197   | ng    | # 78     |
| 6) Aniline                    | 6.504  | 93   | 21781    | 5.831   | ng    | # 65     |
| 8) 2-Chlorophenol             | 6.628  | 128  | 16895    | 5.147   | ng    | 90       |
| 9) Benzaldehyde               | 6.399  | 77   | 14543    | 5.792   | ng    | 98       |
| 10) Phenol                    | 6.498  | 94   | 22261    | 5.048   | ng    | # 50     |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 17691    | 5.213   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.775  | 146  | 18251    | 4.967   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 19003    | 5.125   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 17614    | 5.083   | ng    | 95       |
| 15) Benzyl Alcohol            | 6.993  | 79   | 19906    | 6.594   | ng    | 84       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 30039    | 5.143   | ng    | 54       |
| 17) 2-Methylphenol            | 7.104  | 107  | 13865    | 5.115   | ng    | # 82     |
| 18) Hexachloroethane          | 7.340  | 117  | 7568     | 5.422   | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 13336    | 5.271   | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 17966    | 5.166   | ng    | # 55     |
| 22) Acetophenone              | 7.251  | 105  | 26468    | 5.600   | ng    | # 93     |
| 24) Nitrobenzene              | 7.422  | 77   | 22073    | 5.494   | ng    | 99       |
| 25) Isophorone                | 7.657  | 82   | 36897    | 5.473   | ng    | 98       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 8645     | 5.002   | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.787  | 122  | 10368    | 5.014   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 20755    | 5.056   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 13715    | 5.161   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.057  | 180  | 15503    | 5.055   | ng    | 99       |
| 31) Naphthalene               | 8.140  | 128  | 53038    | 5.220   | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 3070m    | 1.889   | ng    |          |
| 33) 4-Chloroaniline           | 8.198  | 127  | 18826    | 5.520   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 9858     | 5.307   | ng    | 99       |
| 35) Caprolactam               | 8.540  | 113  | 4282     | 5.400   | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.687  | 107  | 16624    | 5.474   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.828  | 142  | 33837    | 5.273   | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.928  | 142  | 31856    | 5.066   | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.992  | 216  | 16212    | 5.226   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 8733     | 4.617   | ng    | 96       |
| 44) 2,4,5-Trichlorophenol     | 9.175  | 196  | 9990     | 4.831   | ng    | # 90     |

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 Sample : P3390-02  
 Misc : LOQ-SOIL-5ppm  
 ALS Vial : 6 Sample Multiplier: 1

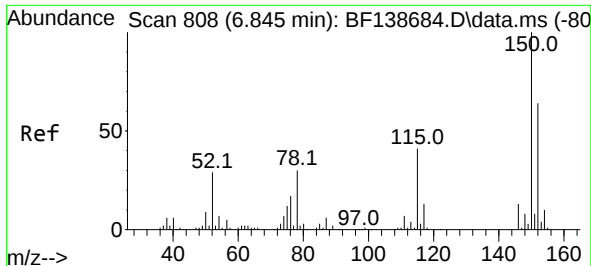
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 16 12:33:19 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.287  | 154  | 47383    | 5.417 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.316  | 162  | 32421    | 4.984 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 11259    | 5.105 | ng    | 97       |
| 49) Acenaphthylene            | 9.728  | 152  | 50888    | 5.515 | ng    | 98       |
| 50) Dimethylphthalate         | 9.587  | 163  | 40638    | 5.691 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.657  | 165  | 8227     | 5.105 | ng    | # 76     |
| 52) Acenaphthene              | 9.898  | 154  | 32267    | 5.203 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.839  | 138  | 8885     | 5.333 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 579      | 0.780 | ng    | # 73     |
| 55) Dibenzofuran              | 10.075 | 168  | 48771    | 5.571 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 10742    | 5.224 | ng    | # 66     |
| 58) Fluorene                  | 10.416 | 166  | 37712    | 5.409 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 7104     | 4.494 | ng    | # 98     |
| 60) Diethylphthalate          | 10.281 | 149  | 40837    | 6.031 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 18821    | 5.489 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.451 | 138  | 7351     | 4.643 | ng    | 83       |
| 63) Azobenzene                | 10.569 | 77   | 42339    | 5.638 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 4083     | 3.313 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 32047    | 5.076 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 10830    | 4.952 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 11117    | 4.923 | ng    | 94       |
| 69) Atrazine                  | 11.051 | 200  | 10320    | 6.335 | ng    | 96       |
| 70) Pentachlorophenol         | 11.192 | 266  | 929      | 0.913 | ng    | # 80     |
| 71) Phenanthrene              | 11.381 | 178  | 56395    | 5.422 | ng    | 99       |
| 72) Anthracene                | 11.433 | 178  | 55287    | 5.396 | ng    | 99       |
| 73) Carbazole                 | 11.598 | 167  | 47534    | 5.377 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 59776    | 6.015 | ng    | 98       |
| 75) Fluoranthene              | 12.575 | 202  | 53073    | 5.466 | ng    | 96       |
| 77) Benzidine                 | 12.698 | 184  | 13666    | 5.363 | ng    | # 95     |
| 78) Pyrene                    | 12.804 | 202  | 54930    | 5.476 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 19607    | 6.104 | ng    | 92       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 39274    | 5.354 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 10458    | 5.571 | ng    | # 97     |
| 83) Chrysene                  | 14.027 | 228  | 33243    | 5.023 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 20710    | 4.403 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 28400    | 3.264 | ng    | # 93     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 26731    | 4.358 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 28521    | 5.376 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.069 | 252  | 24435    | 5.319 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 24769    | 5.550 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.957 | 278  | 21468    | 4.264 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.404 | 276  | 21038    | 4.027 | ng    | 94       |

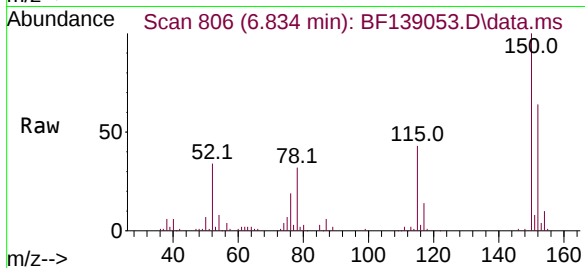
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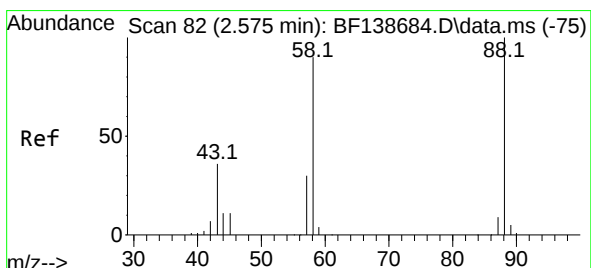
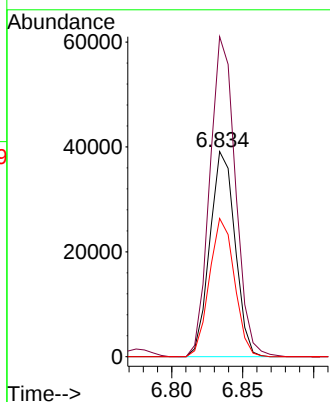
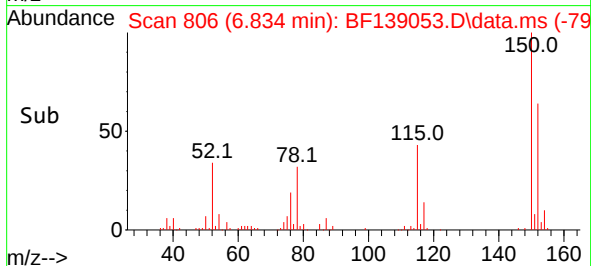


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.834 min Scan# 80  
 Delta R.T. -0.011 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

Instrument :  
 BNA\_F  
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 LOQ-SOIL-02-QT3-2024

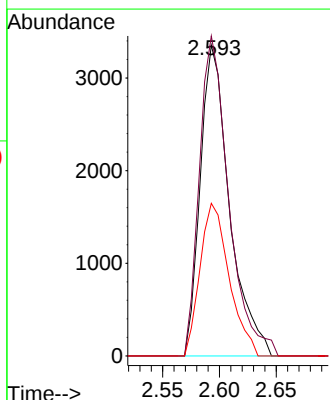
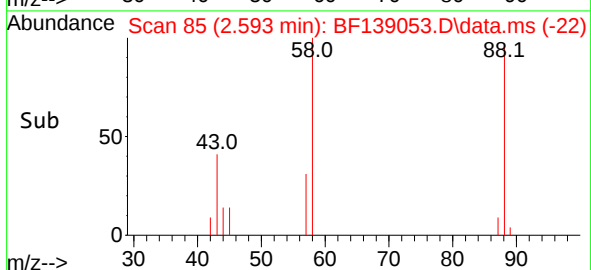
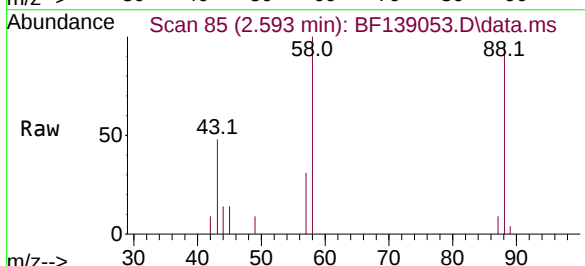


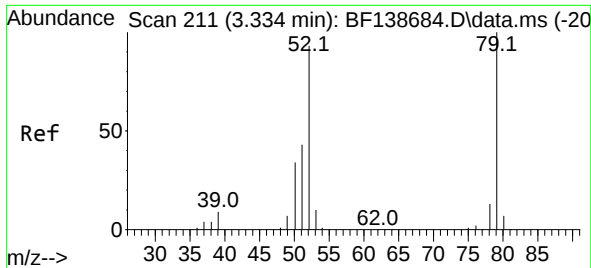
Tgt Ion:152 Resp: 48160  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 126.0 189.0  
 115 67.4 51.7 77.5



#2  
 1,4-Dioxane  
 Concen: 4.389 ng  
 RT: 2.593 min Scan# 85  
 Delta R.T. 0.018 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

Tgt Ion: 88 Resp: 5995  
 Ion Ratio Lower Upper  
 88 100  
 58 103.5 71.6 107.4  
 43 49.0 28.7 43.1#





#3

Pyridine

Concen: 3.659 ng m

RT: 3.452 min Scan# 211

Delta R.T. 0.118 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

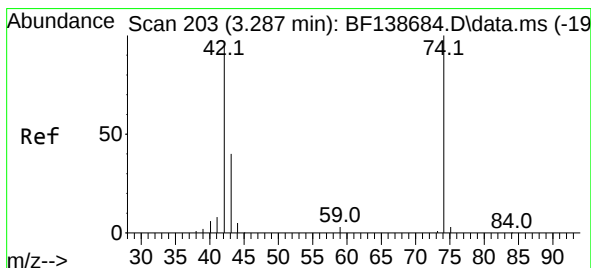
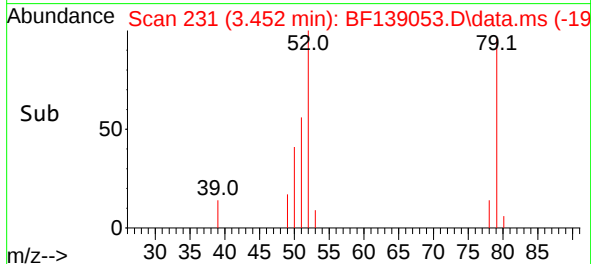
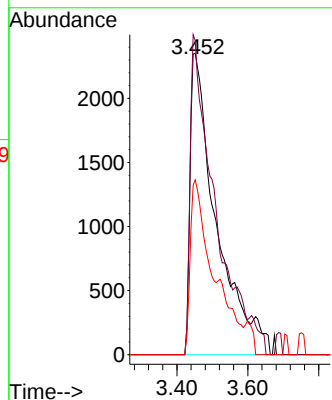
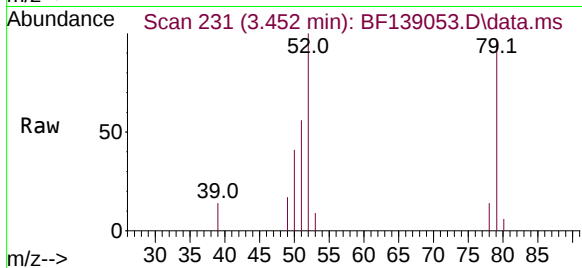
Tgt Ion: 79 Resp: 12108

Ion Ratio Lower Upper

79 100

52 104.2 74.7 112.1

51 58.0 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 5.197 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.047 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

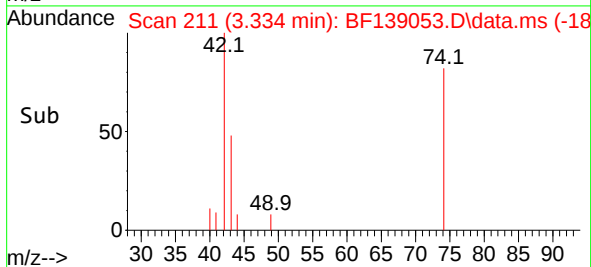
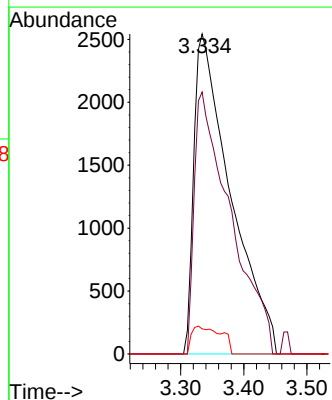
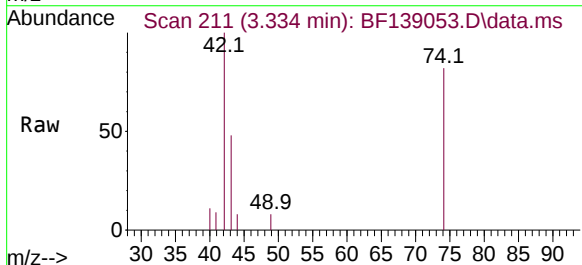
Tgt Ion: 42 Resp: 10241

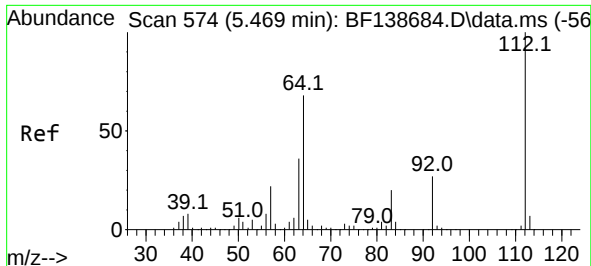
Ion Ratio Lower Upper

42 100

74 81.9 84.2 126.4#

44 7.9 4.9 7.3#

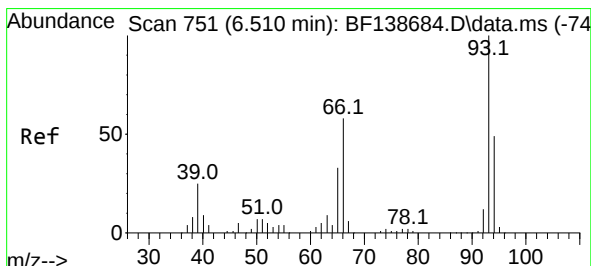
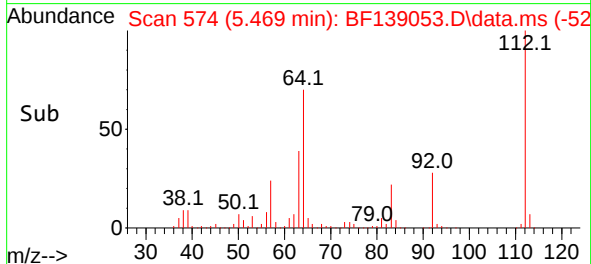
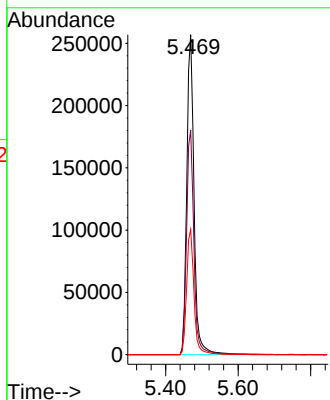
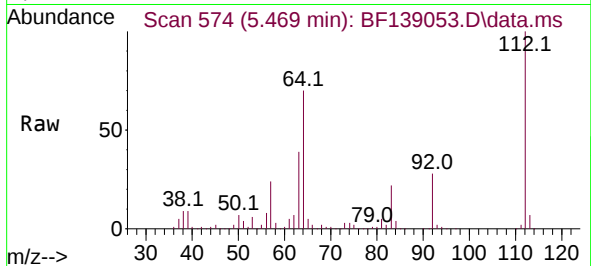




#5  
2-Fluorophenol  
Concen: 114.802 ng  
RT: 5.469 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

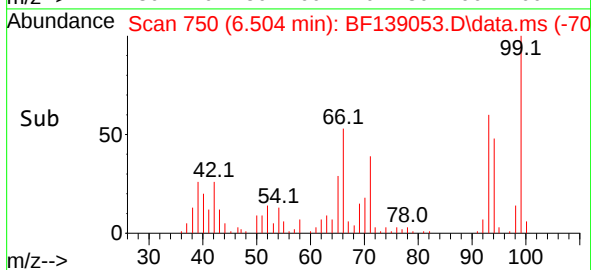
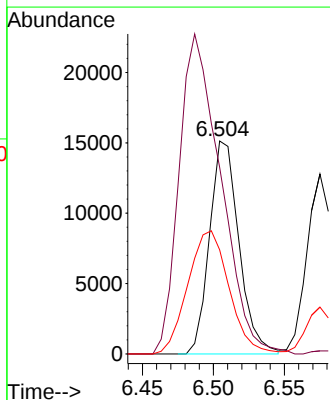
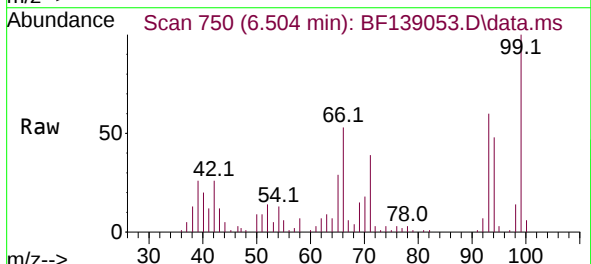
Instrument :  
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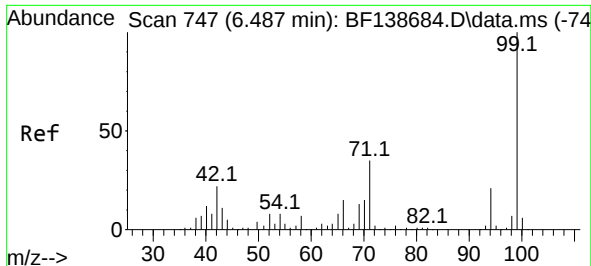
Tgt Ion:112 Resp: 358168  
Ion Ratio Lower Upper  
112 100  
64 70.2 54.2 81.4  
63 39.1 28.7 43.1



#6  
Aniline  
Concen: 5.831 ng  
RT: 6.504 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion: 93 Resp: 21781  
Ion Ratio Lower Upper  
93 100  
66 87.7 46.9 70.3#  
65 48.9 26.5 39.7#





#7

Phenol-d6

Concen: 113.865 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

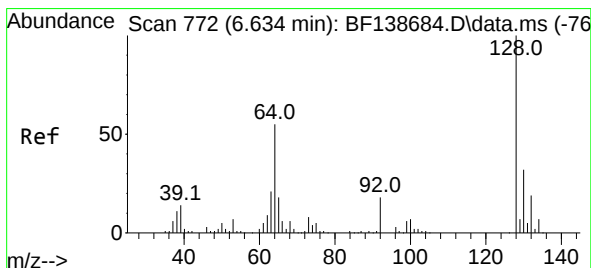
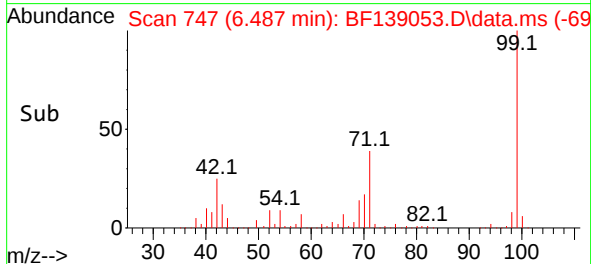
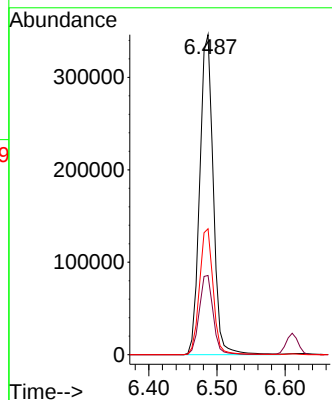
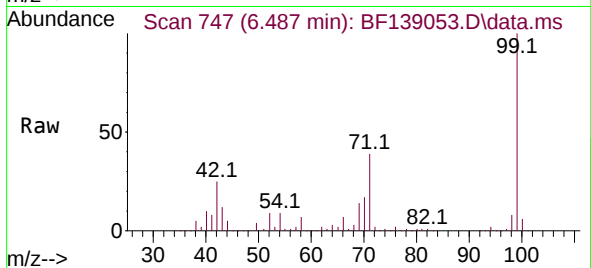
Tgt Ion: 99 Resp: 476952

Ion Ratio Lower Upper

99 100

42 24.8 17.4 26.0

71 39.3 28.1 42.1



#8

2-Chlorophenol

Concen: 5.147 ng

RT: 6.628 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

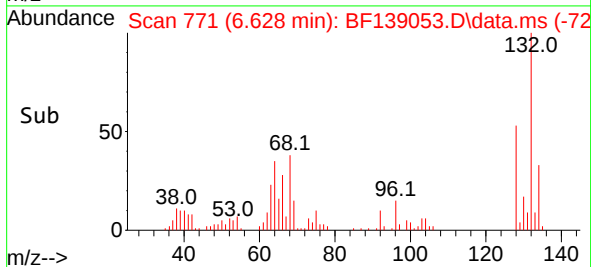
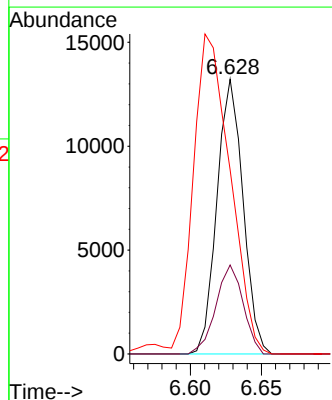
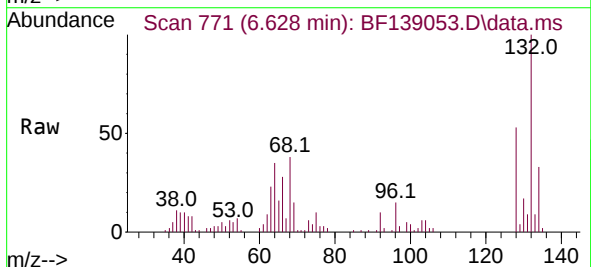
Tgt Ion:128 Resp: 16895

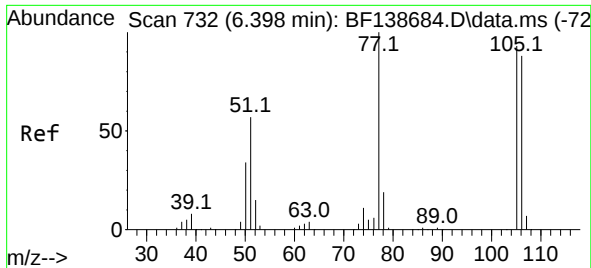
Ion Ratio Lower Upper

128 100

130 32.4 12.0 52.0

64 67.0 36.3 76.3





#9

Benzaldehyde

Concen: 5.792 ng

RT: 6.399 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139053.D

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Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

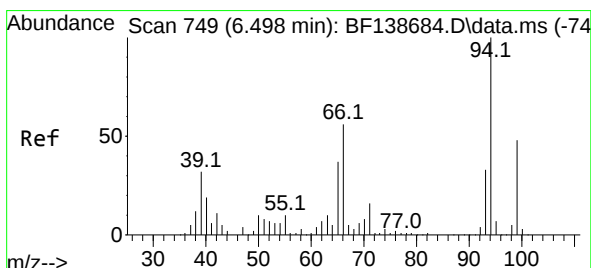
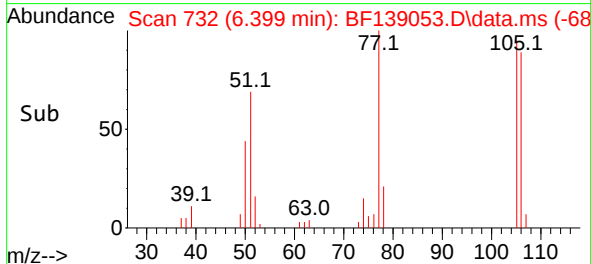
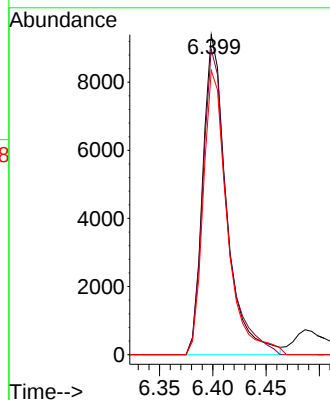
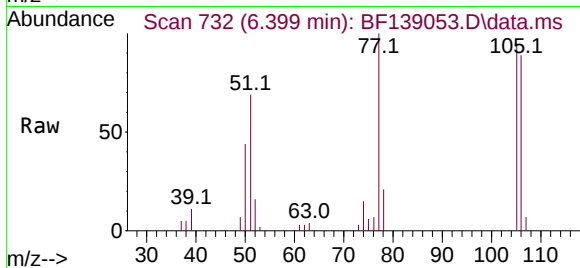
Tgt Ion: 77 Resp: 14543

Ion Ratio Lower Upper

77 100

105 95.5 72.9 112.9

106 88.8 68.4 108.4



#10

Phenol

Concen: 5.048 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

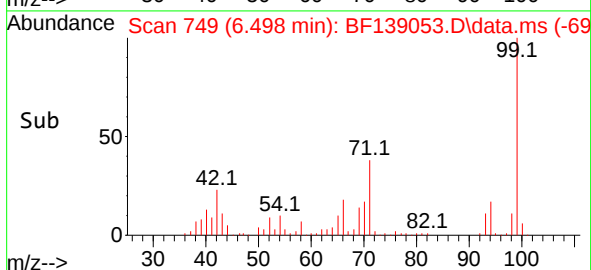
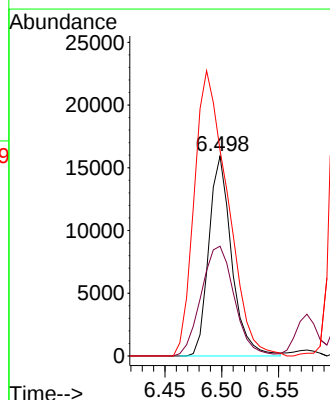
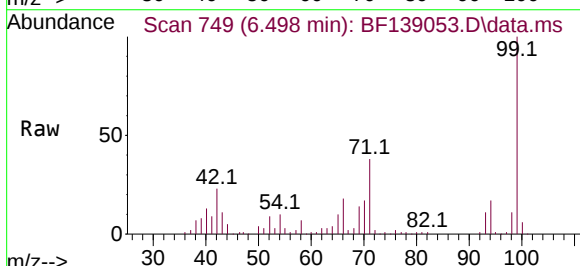
Tgt Ion: 94 Resp: 22261

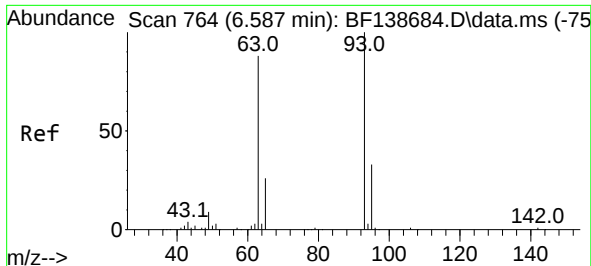
Ion Ratio Lower Upper

94 100

65 54.9 16.9 56.9

66 102.9 36.5 76.5#

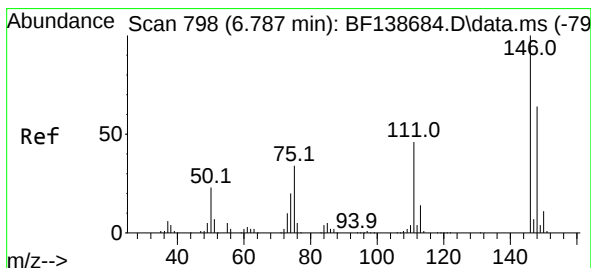
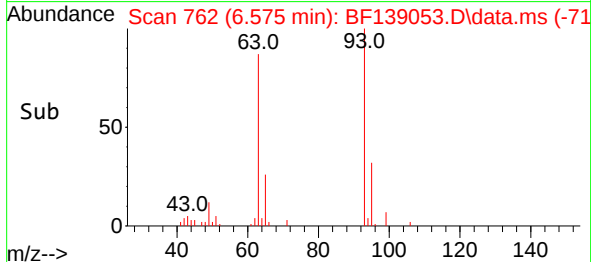
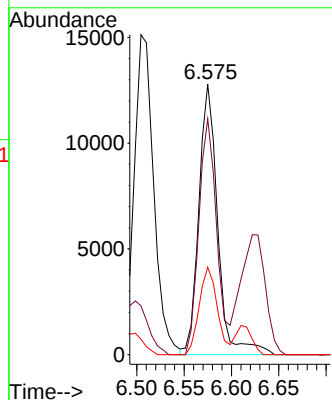
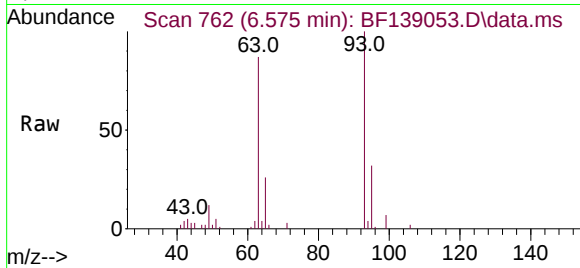




#11  
bis(2-Chloroethyl)ether  
Concen: 5.213 ng  
RT: 6.575 min Scan# 762  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

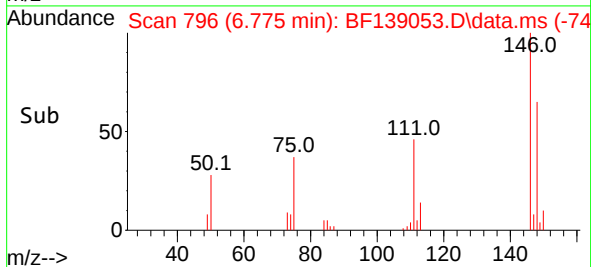
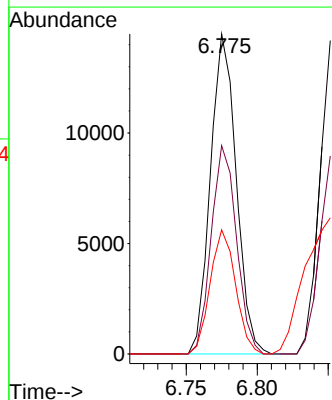
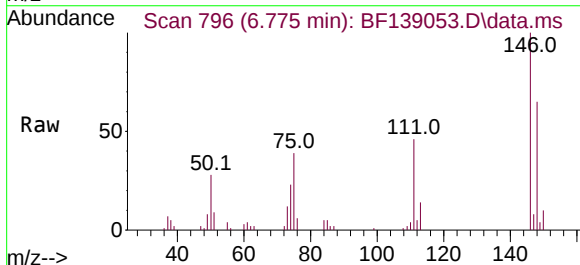
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

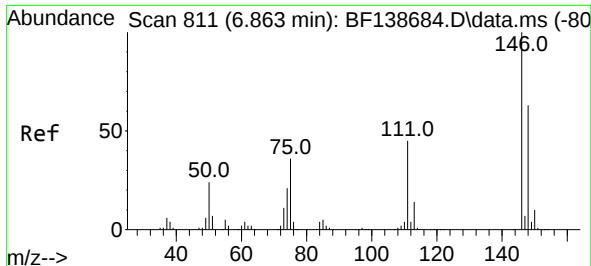
|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 17691 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 87.2     | 65.3 105.3  |
| 95 32.3     | 12.4 52.4   |



#12  
1,3-Dichlorobenzene  
Concen: 4.967 ng  
RT: 6.775 min Scan# 796  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:146 | Resp: | 18251 |       |
| Ion         | Ratio | Lower | Upper |
| 146         | 100   |       |       |
| 148         | 65.1  | 51.2  | 76.8  |
| 75          | 38.8  | 27.4  | 41.2  |





#13

1,4-Dichlorobenzene

Concen: 5.125 ng

RT: 6.851 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

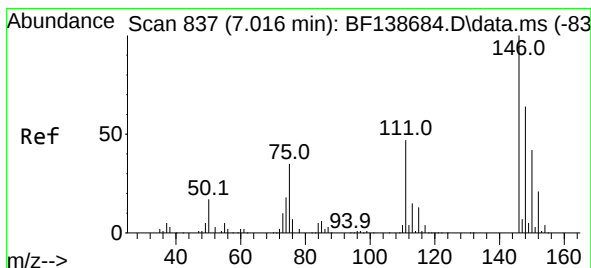
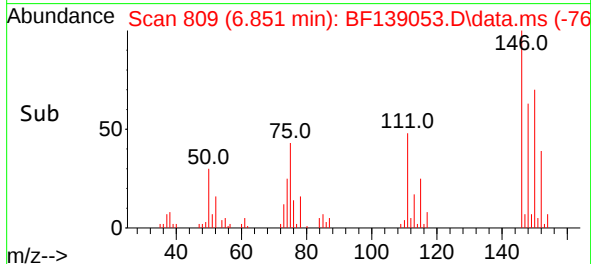
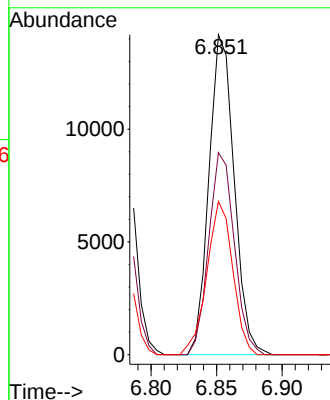
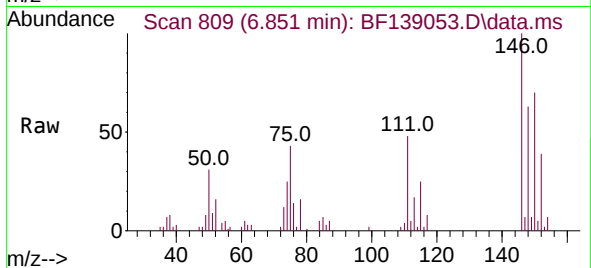
Tgt Ion:146 Resp: 19003

Ion Ratio Lower Upper

146 100

148 63.2 50.2 75.2

111 47.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 5.083 ng

RT: 7.004 min Scan# 835

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

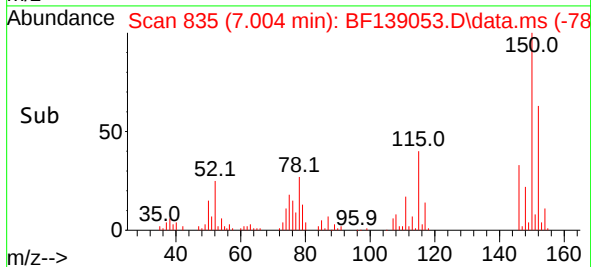
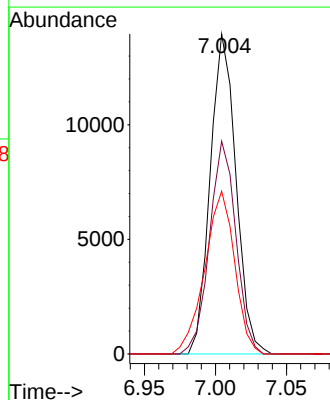
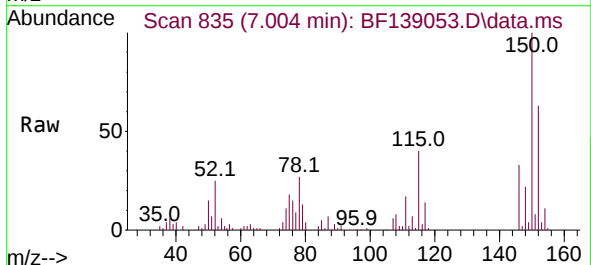
Tgt Ion:146 Resp: 17614

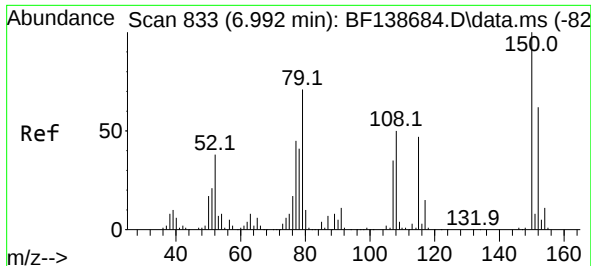
Ion Ratio Lower Upper

146 100

148 66.5 50.8 76.2

111 50.8 37.4 56.2





#15

Benzyl Alcohol

Concen: 6.594 ng

RT: 6.993 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

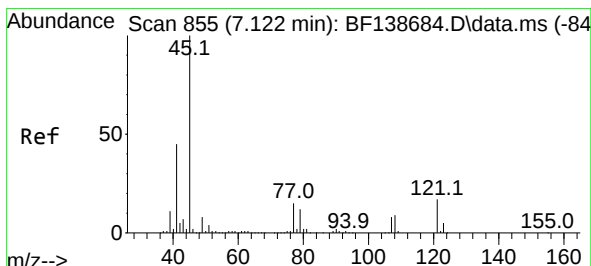
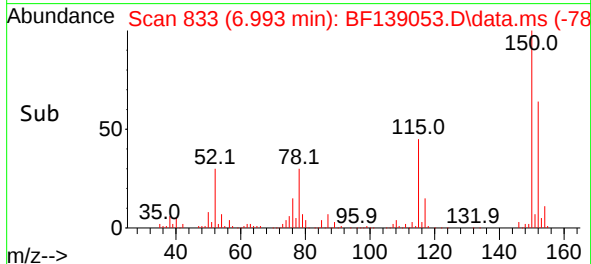
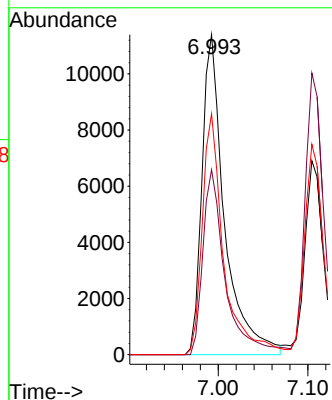
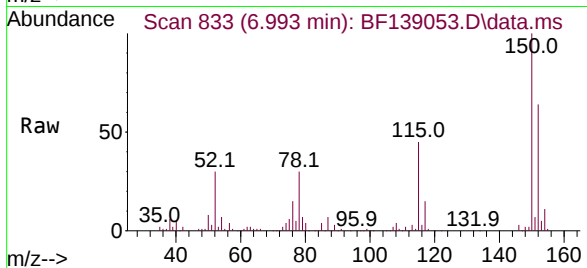
Tgt Ion: 79 Resp: 19906

Ion Ratio Lower Upper

79 100

108 57.8 56.6 85.0

77 75.3 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.143 ng

RT: 7.104 min Scan# 852

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

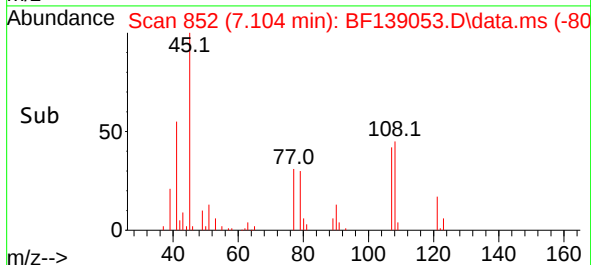
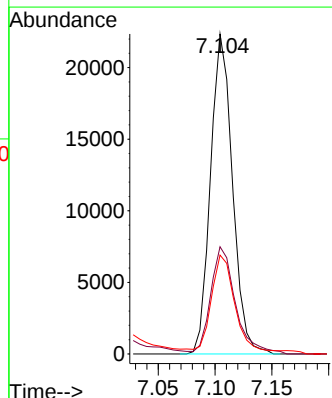
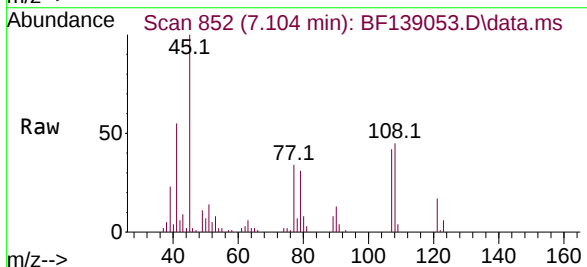
Tgt Ion: 45 Resp: 30039

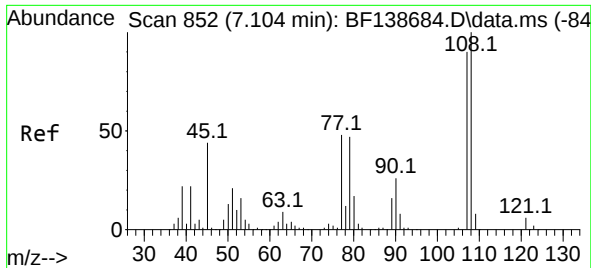
Ion Ratio Lower Upper

45 100

77 33.5 0.0 34.9

79 30.9 0.0 32.2

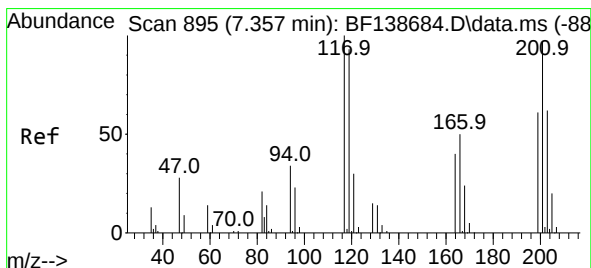
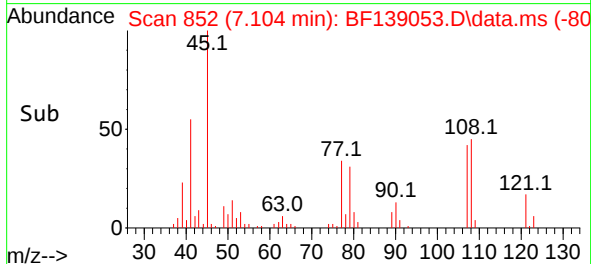
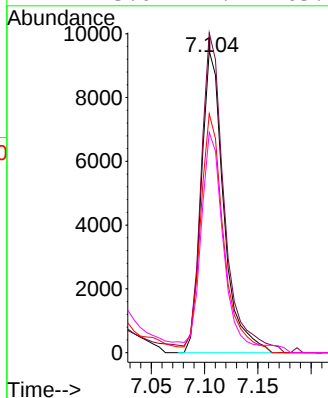
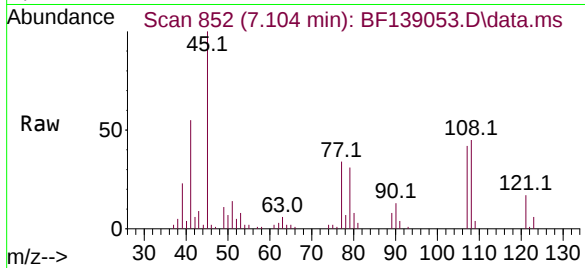




#17  
2-Methylphenol  
Concen: 5.115 ng  
RT: 7.104 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

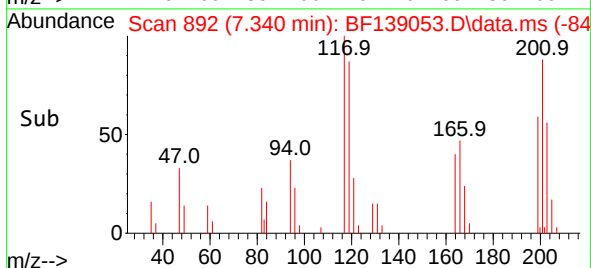
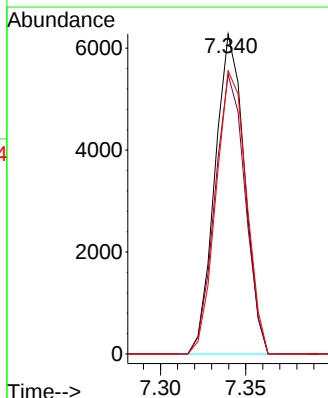
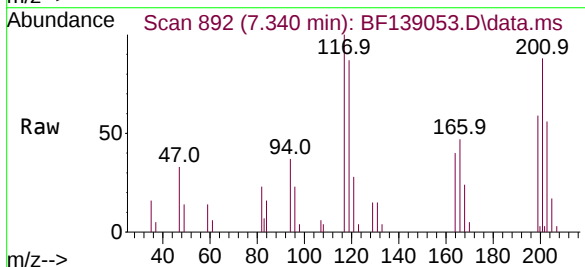
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

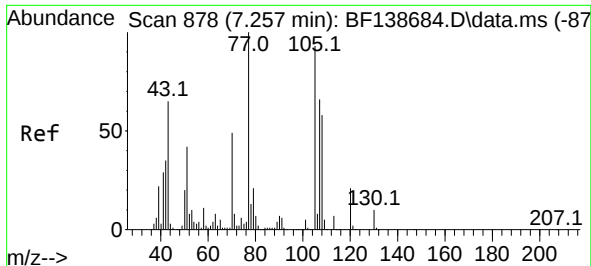
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 13865 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 106.0 | 89.2  | 133.8 |
| 77       | 79.1  | 43.0  | 64.4# |
| 79       | 73.0  | 42.2  | 63.2# |



#18  
Hexachloroethane  
Concen: 5.422 ng  
RT: 7.340 min Scan# 892  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7568  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 87.4  | 74.6  | 111.8 |
| 201      | 88.5  | 77.2  | 115.8 |





#19

n-Nitroso-di-n-propylamine

Concen: 5.271 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF139053.D

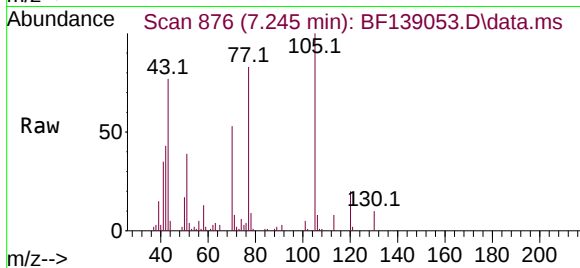
Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 70 Resp: 13336

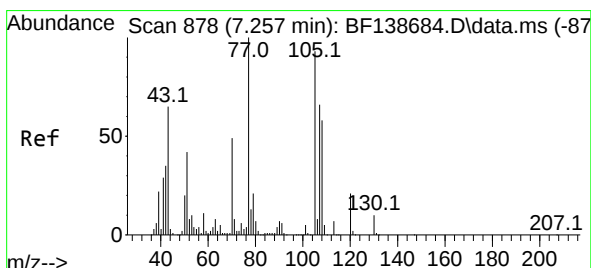
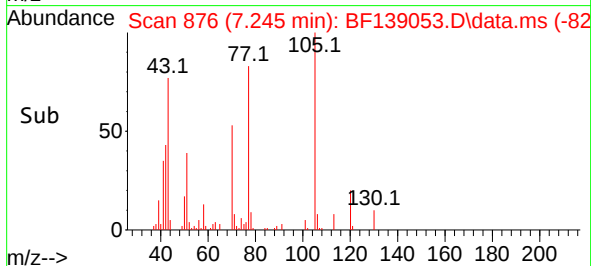
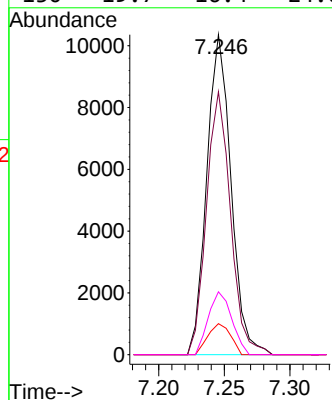
Ion Ratio Lower Upper

70 100

42 82.1 57.4 86.0

101 9.7 7.5 11.3

130 19.7 16.4 24.6



#20

3+4-Methylphenols

Concen: 5.166 ng

RT: 7.269 min Scan# 880

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion: 107 Resp: 17966

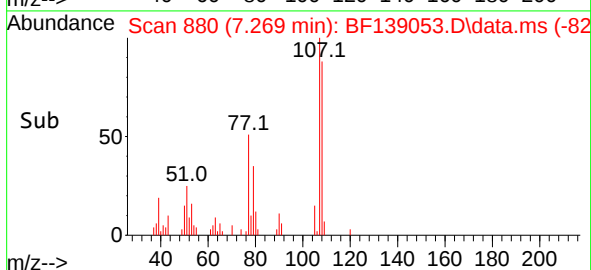
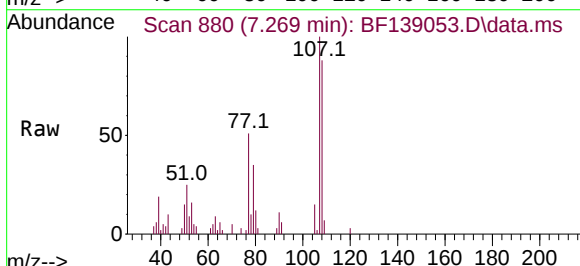
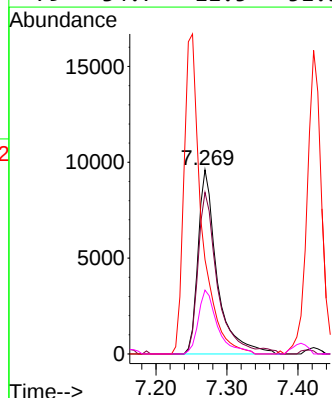
Ion Ratio Lower Upper

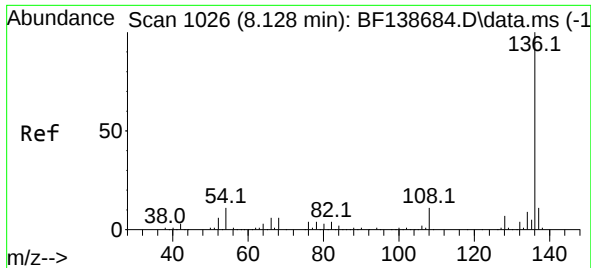
107 100

108 87.8 68.2 108.2

77 51.2 132.1 172.1#

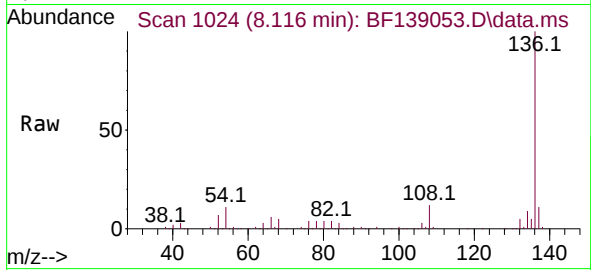
79 34.7 11.5 51.5



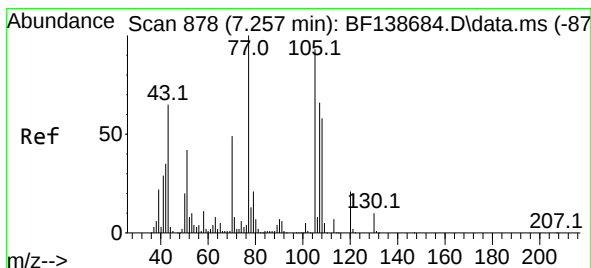
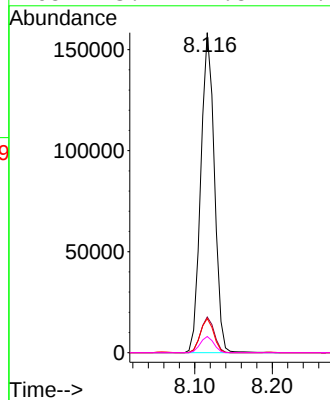
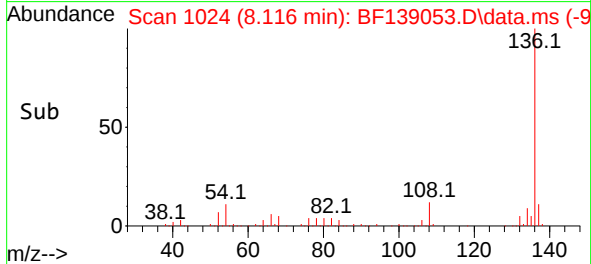


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

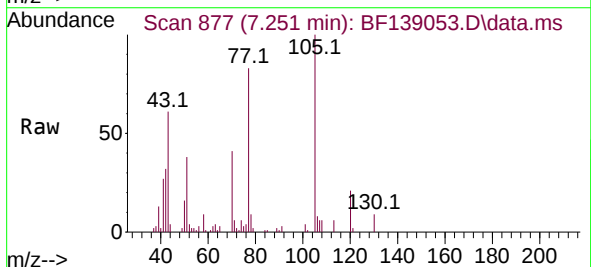
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024



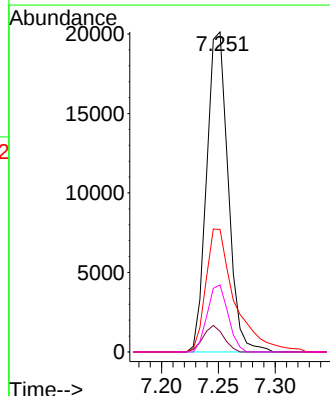
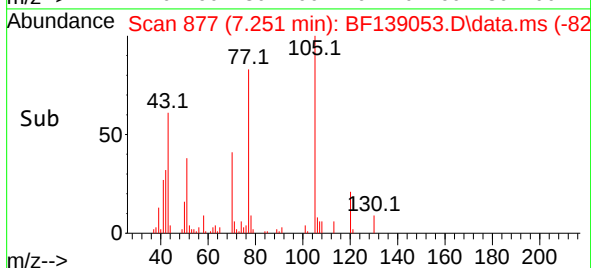
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 193025 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.1    | 8.9 13.3     |
| 54 10.7     | 8.6 12.8     |
| 68 5.1      | 4.8 7.2      |

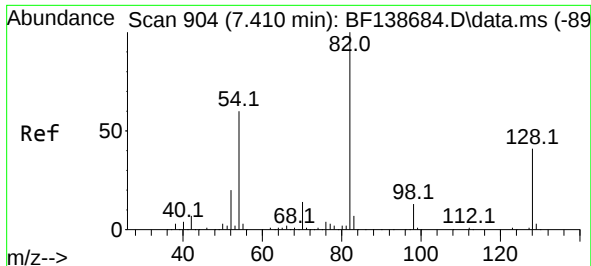


#22  
Acetophenone  
Concen: 5.600 ng  
RT: 7.251 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14



|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:105 | Resp: | 26468 |
| Ion | Ratio   | Lower | Upper |
| 105 | 100     |       |       |
| 71  | 6.5     | 7.2   | 10.8# |
| 51  | 38.3    | 35.9  | 53.9  |
| 120 | 21.0    | 17.6  | 26.4  |





#23

Nitrobenzene-d5

Concen: 92.125 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

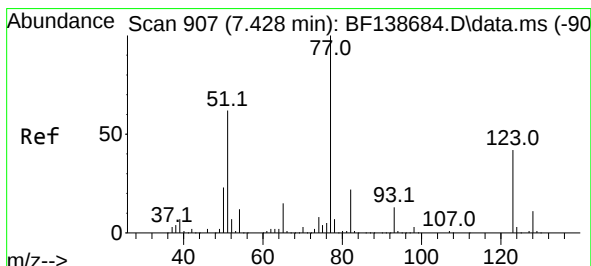
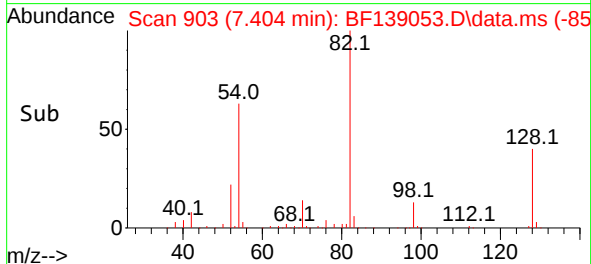
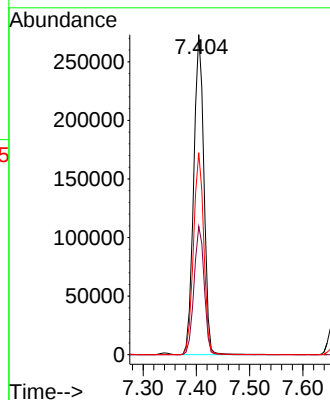
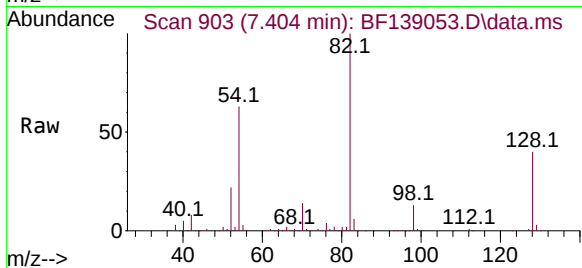
Tgt Ion: 82 Resp: 363713

Ion Ratio Lower Upper

82 100

128 40.1 32.8 49.2

54 63.1 48.3 72.5



#24

Nitrobenzene

Concen: 5.494 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

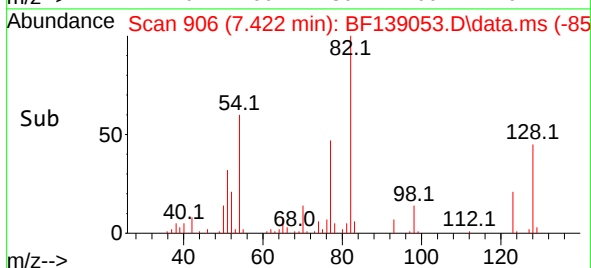
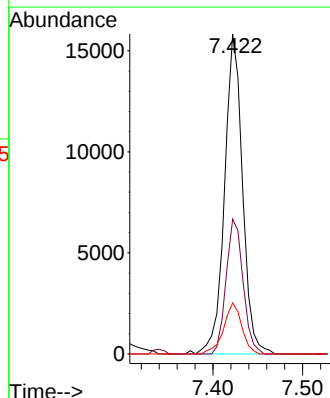
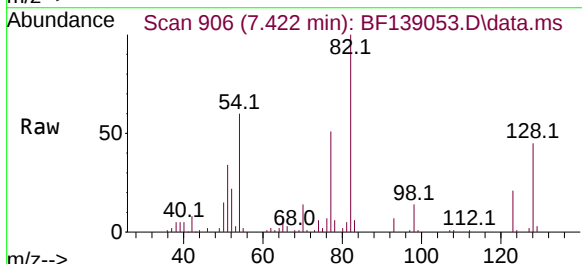
Tgt Ion: 77 Resp: 22073

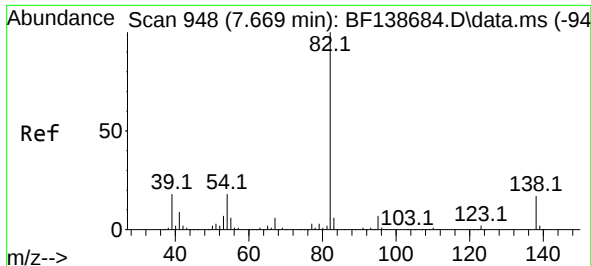
Ion Ratio Lower Upper

77 100

123 42.1 33.3 49.9

65 16.0 11.9 17.9

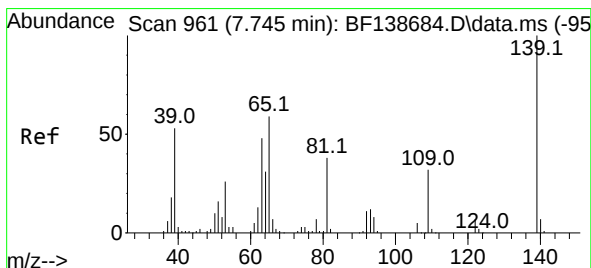
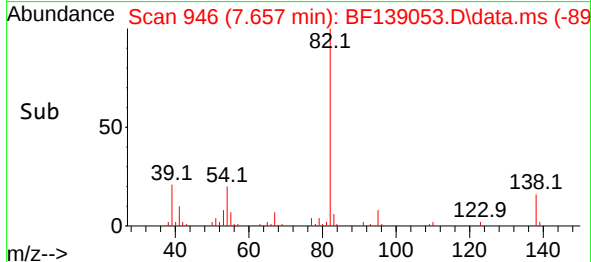
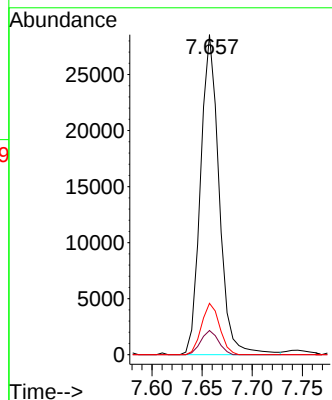
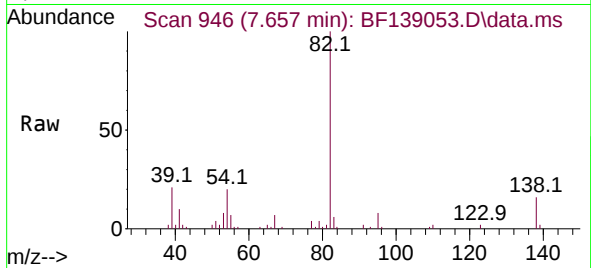




#25  
Isophorone  
Concen: 5.473 ng  
RT: 7.657 min Scan# 948  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

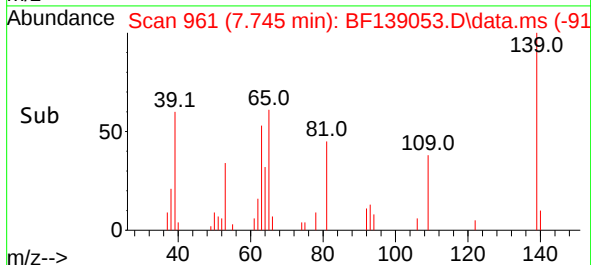
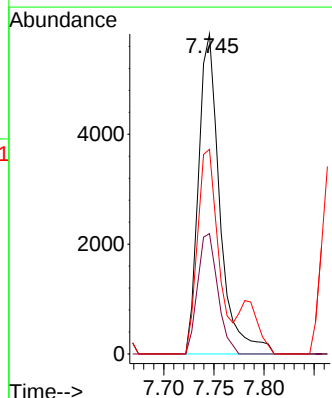
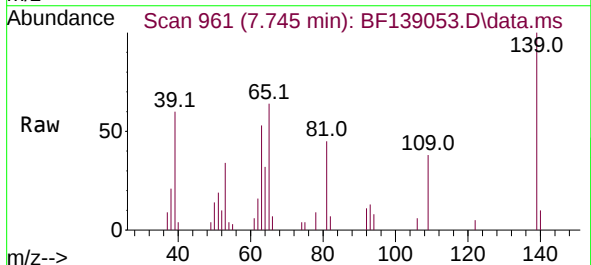
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

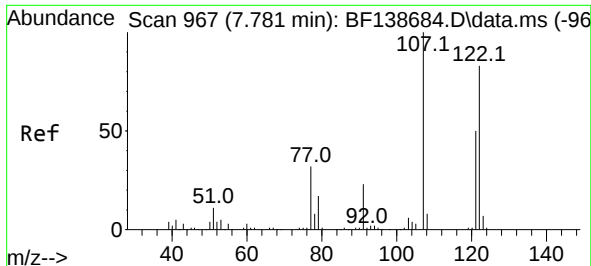
Tgt Ion: 82 Resp: 36897  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.7 8.5  
138 16.1 13.7 20.5



#26  
2-Nitrophenol  
Concen: 5.002 ng  
RT: 7.745 min Scan# 961  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion: 139 Resp: 8645  
Ion Ratio Lower Upper  
139 100  
109 37.6 25.9 38.9  
65 64.0 47.0 70.6

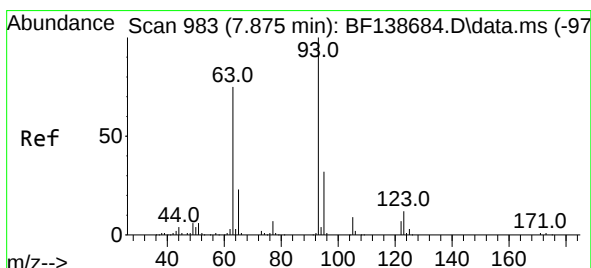
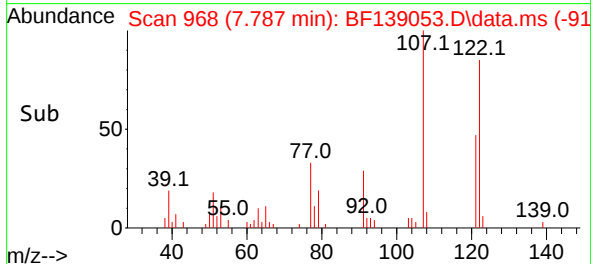
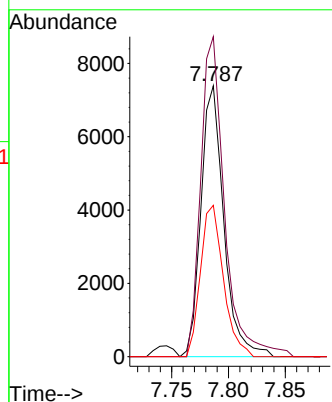
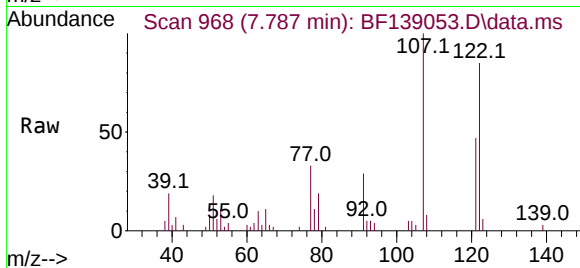




#27  
2,4-Dimethylphenol  
Concen: 5.014 ng  
RT: 7.787 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

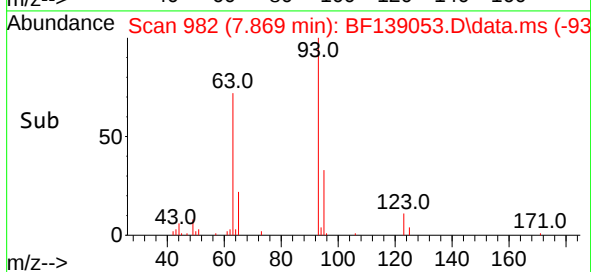
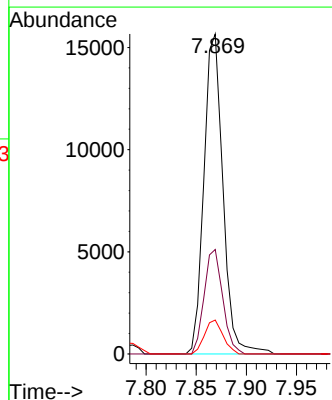
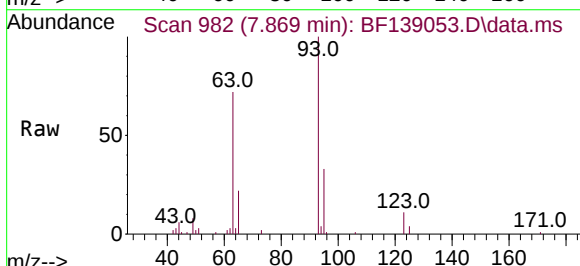
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

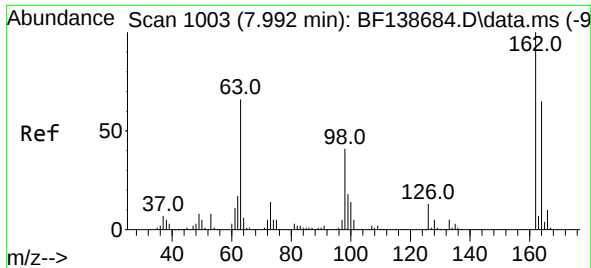
Tgt Ion:122 Resp: 10368  
Ion Ratio Lower Upper  
122 100  
107 118.1 95.0 142.6  
121 55.9 47.3 70.9



#28  
bis(2-Chloroethoxy)methane  
Concen: 5.056 ng  
RT: 7.869 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion: 93 Resp: 20755  
Ion Ratio Lower Upper  
93 100  
95 32.7 25.8 38.8  
123 10.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 5.161 ng

RT: 8.004 min Scan# 1005

Delta R.T. 0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

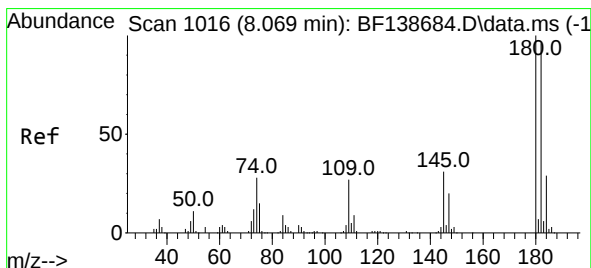
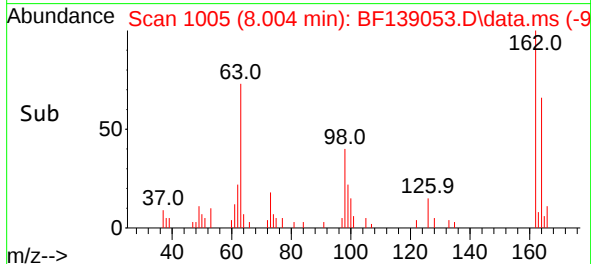
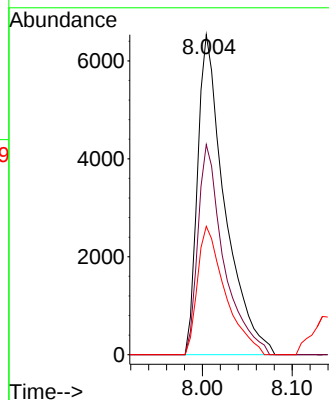
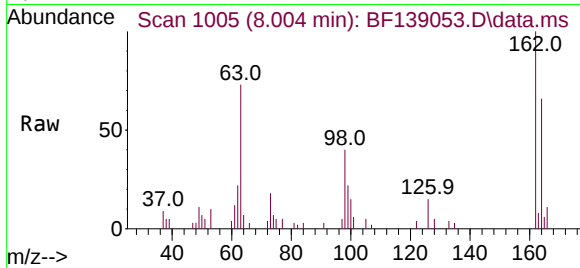
Tgt Ion:162 Resp: 13715

Ion Ratio Lower Upper

162 100

164 65.6 44.7 84.7

98 40.1 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 5.055 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

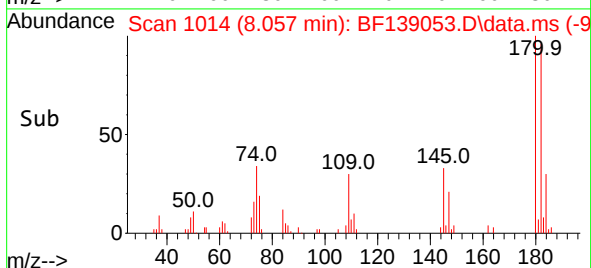
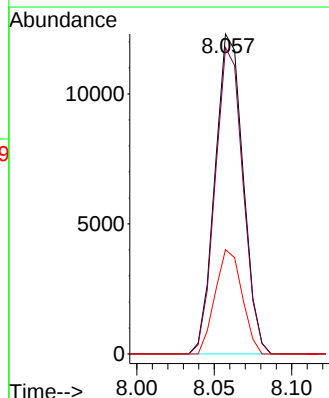
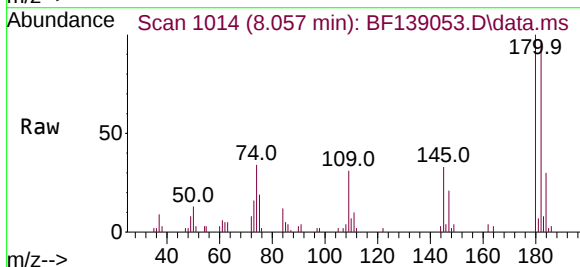
Tgt Ion:180 Resp: 15503

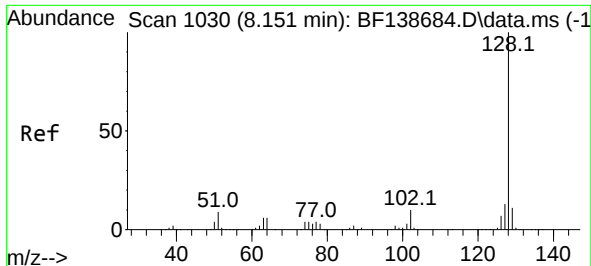
Ion Ratio Lower Upper

180 100

182 95.7 76.9 115.3

145 32.6 25.0 37.4

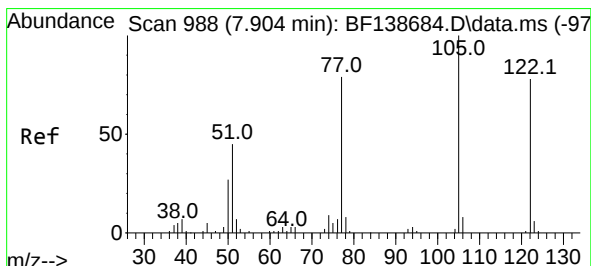
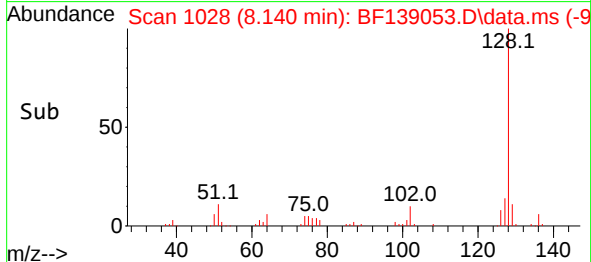
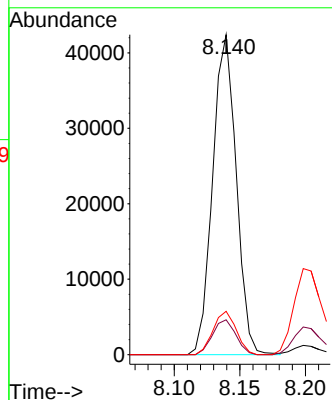
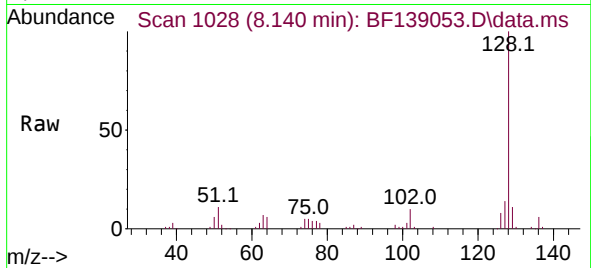




#31  
Naphthalene  
Concen: 5.220 ng  
RT: 8.140 min Scan# 1030  
Delta R.T. -0.011 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

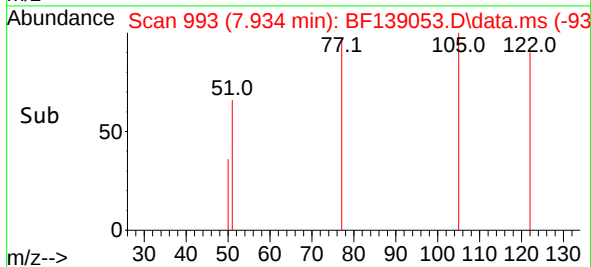
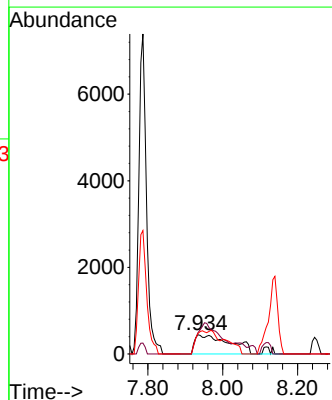
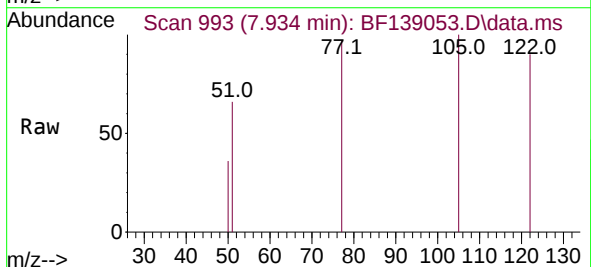
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

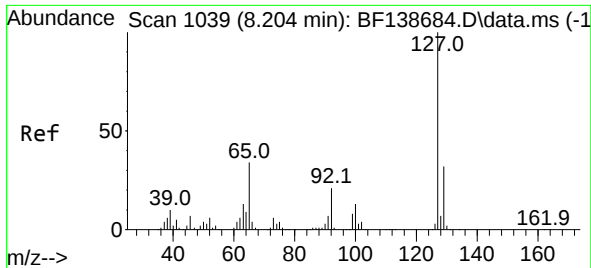
Tgt Ion:128 Resp: 53038  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.7 13.1  
127 13.5 10.6 16.0



#32  
Benzoic acid  
Concen: 1.889 ng m  
RT: 7.934 min Scan# 993  
Delta R.T. 0.030 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:122 Resp: 3070  
Ion Ratio Lower Upper  
122 100  
105 110.6 106.7 146.7  
77 107.0 81.1 121.1

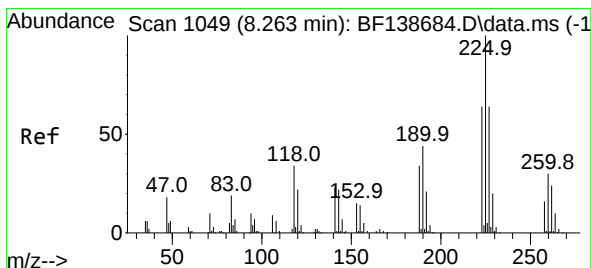
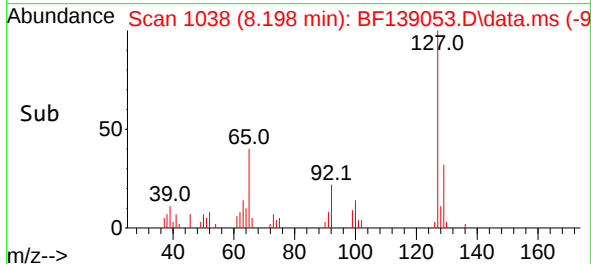
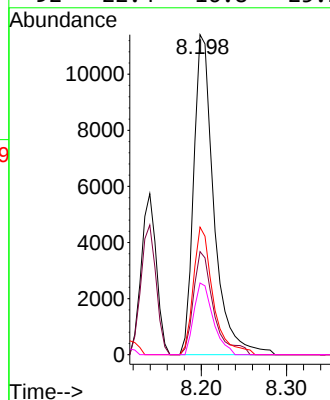
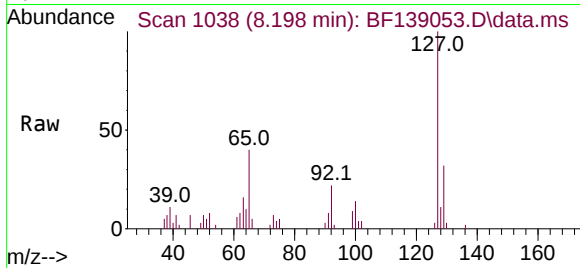




#33  
4-Chloroaniline  
Concen: 5.520 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

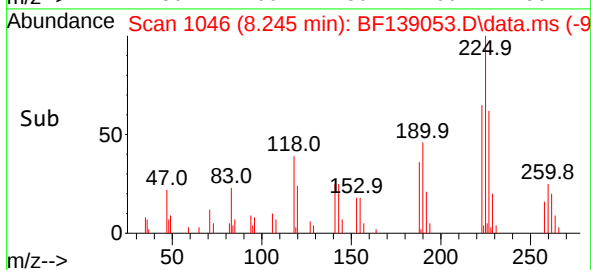
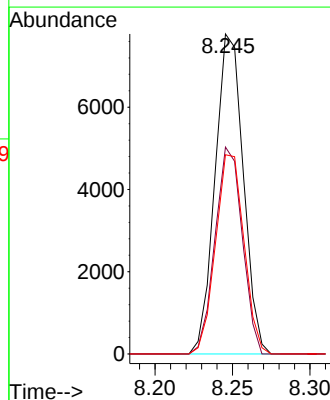
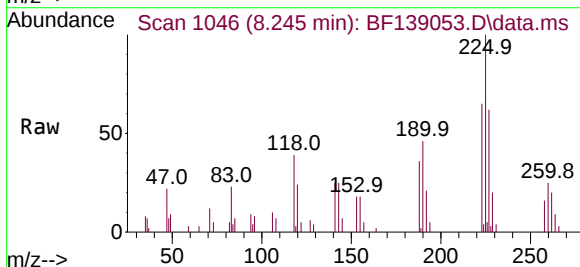
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

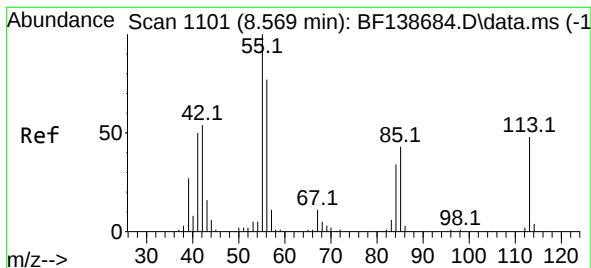
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 18826 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.2  | 25.9  | 38.9  |
| 65        | 39.9  | 27.6  | 41.4  |
| 92        | 22.4  | 16.8  | 25.2  |



#34  
Hexachlorobutadiene  
Concen: 5.307 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 9858 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 64.6  | 51.2  | 76.8 |
| 227       | 62.2  | 51.1  | 76.7 |





#35

Caprolactam

Concen: 5.400 ng

RT: 8.540 min Scan# 1101

Delta R.T. -0.029 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

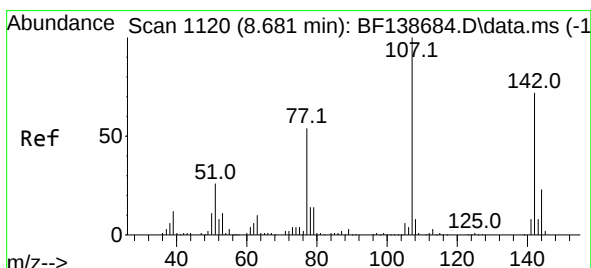
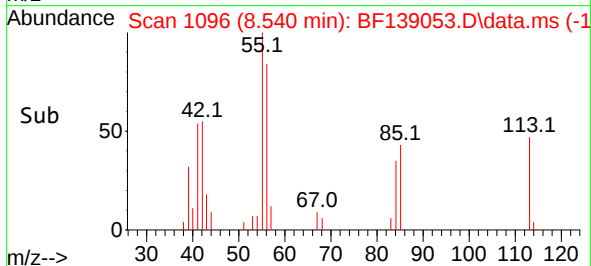
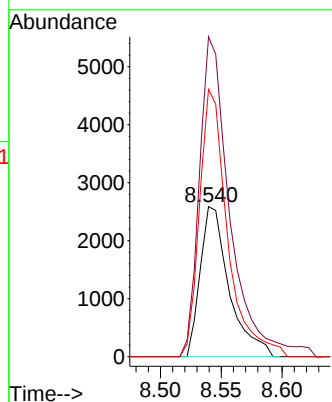
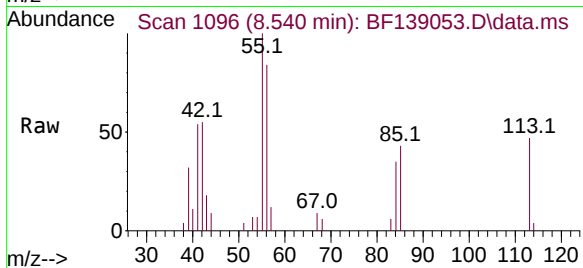
Tgt Ion:113 Resp: 4282

Ion Ratio Lower Upper

113 100

55 213.3 186.7 226.7

56 178.2 138.9 178.9



#36

4-Chloro-3-methylphenol

Concen: 5.474 ng

RT: 8.687 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

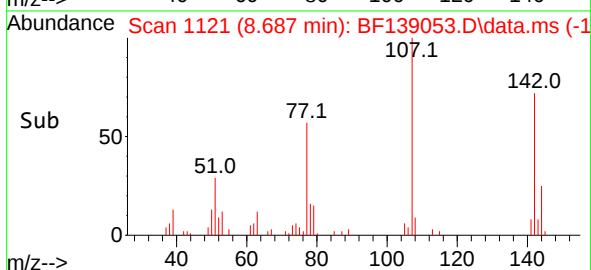
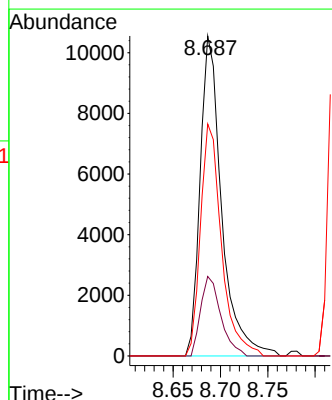
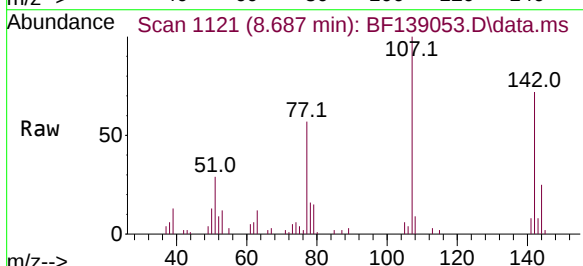
Tgt Ion:107 Resp: 16624

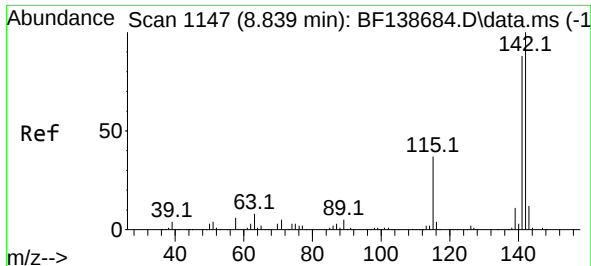
Ion Ratio Lower Upper

107 100

144 24.9 18.2 27.2

142 72.5 57.4 86.2

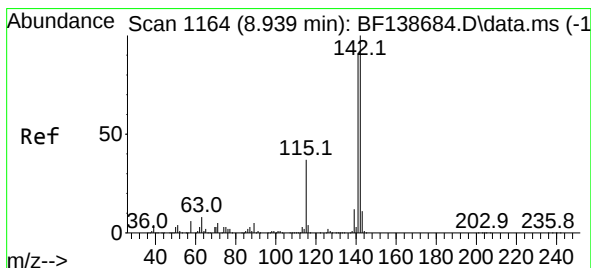
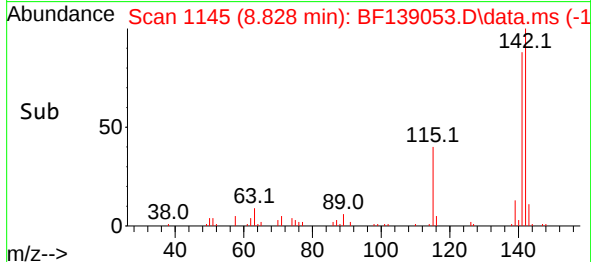
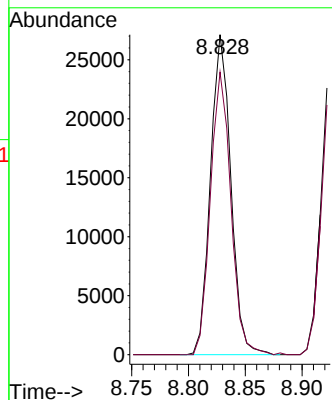
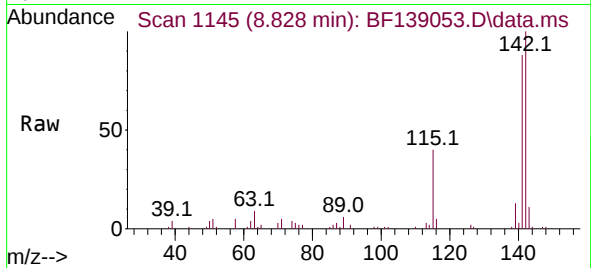




#37  
2-Methylnaphthalene  
Concen: 5.273 ng  
RT: 8.828 min Scan# 1145  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

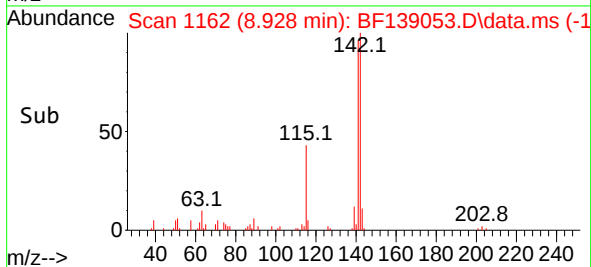
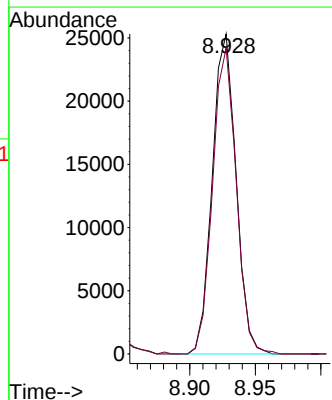
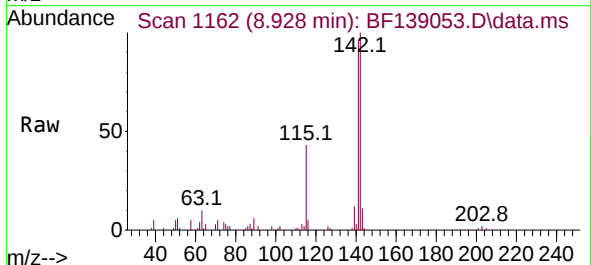
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

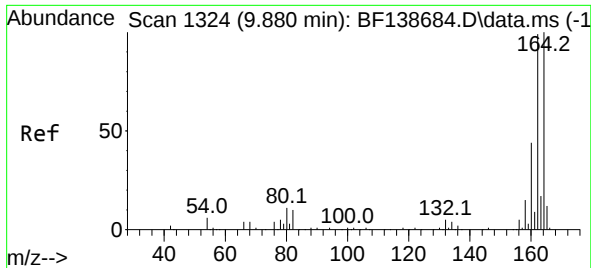
Tgt Ion:142 Resp: 33837  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.8 106.2



#38  
1-Methylnaphthalene  
Concen: 5.066 ng  
RT: 8.928 min Scan# 1162  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:142 Resp: 31856  
Ion Ratio Lower Upper  
142 100  
141 95.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 111683

Delta R.T. -0.011 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

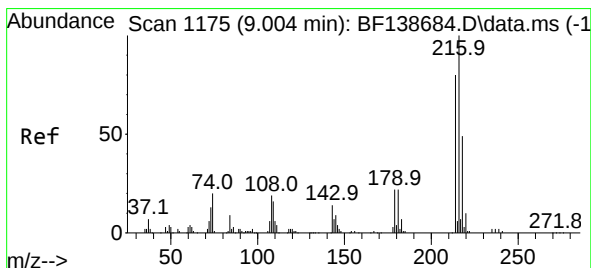
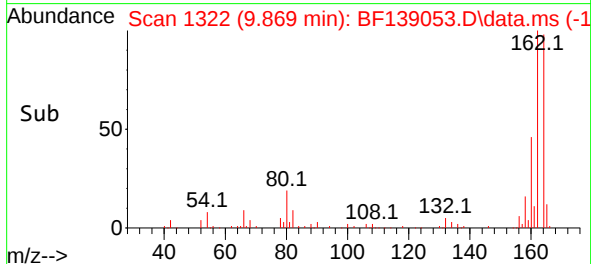
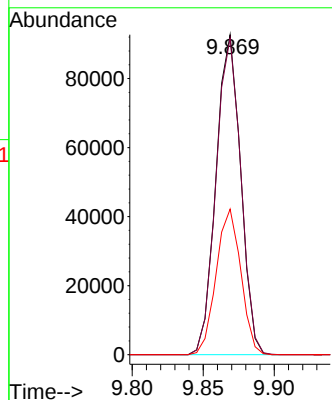
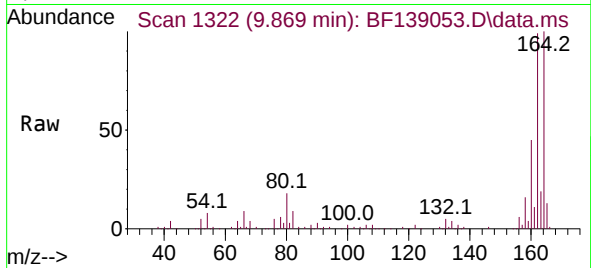
Tgt Ion:164 Resp: 111683

Ion Ratio Lower Upper

164 100

162 99.0 79.4 119.0

160 45.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.226 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Tgt Ion:216 Resp: 16212

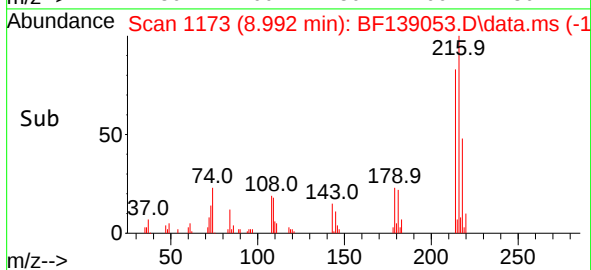
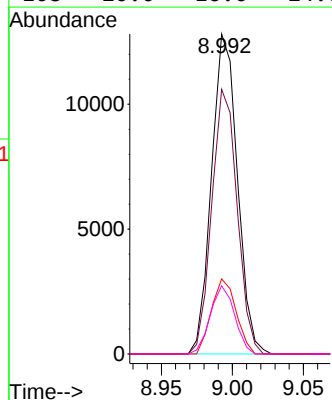
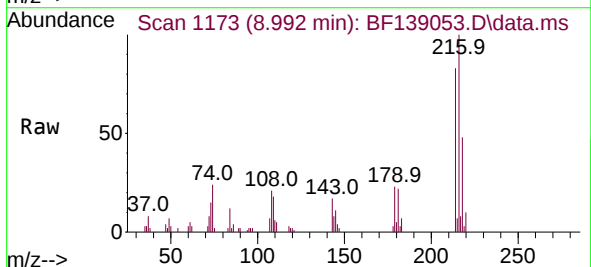
Ion Ratio Lower Upper

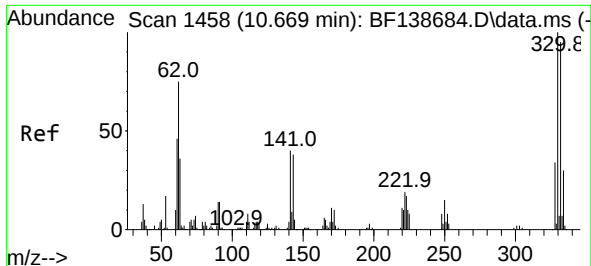
216 100

214 81.1 63.9 95.9

179 22.4 17.8 26.6

108 20.0 16.0 24.0

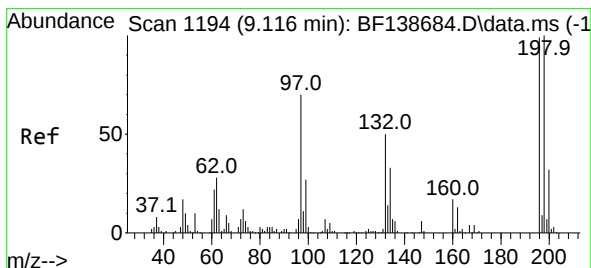
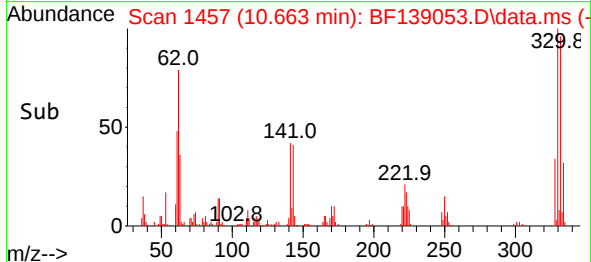
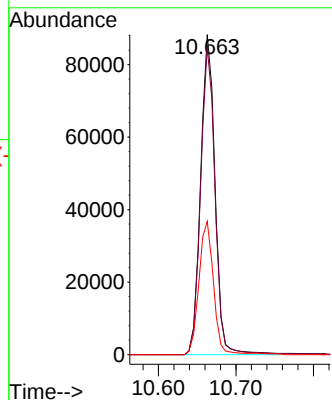
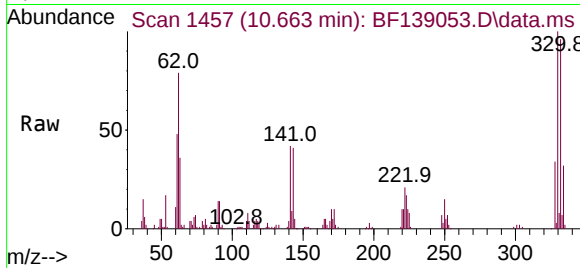




#42  
2,4,6-Tribromophenol  
Concen: 124.660 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

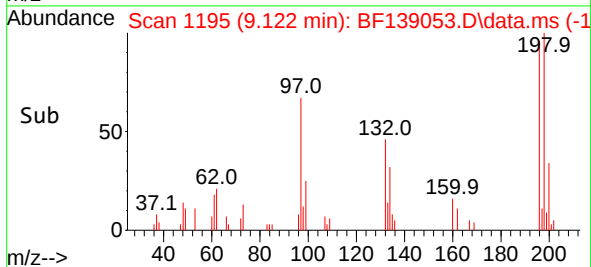
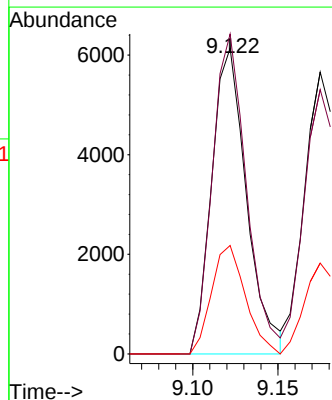
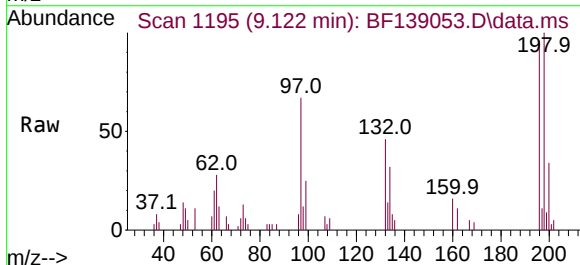
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

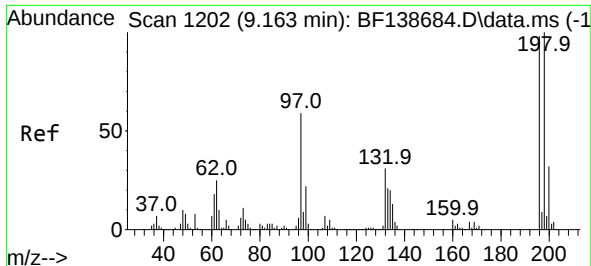
Tgt Ion:330 Resp: 114043  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.4 114.6  
141 42.6 31.1 46.7



#43  
2,4,6-Trichlorophenol  
Concen: 4.617 ng  
RT: 9.122 min Scan# 1195  
Delta R.T. 0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:196 Resp: 8733  
Ion Ratio Lower Upper  
196 100  
198 104.7 80.5 120.7  
200 35.5 25.9 38.9

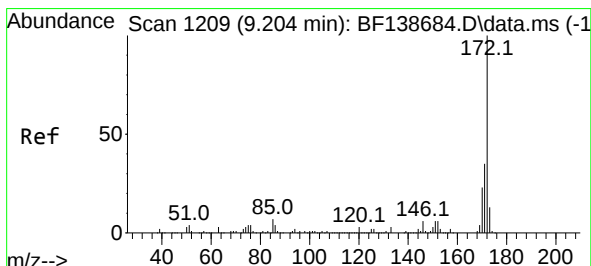
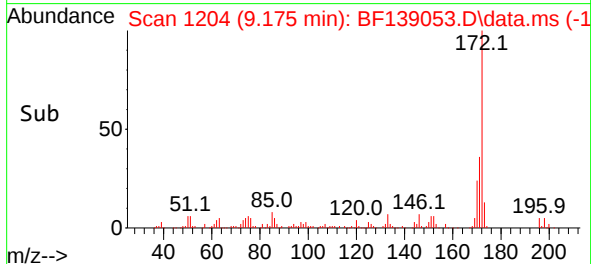
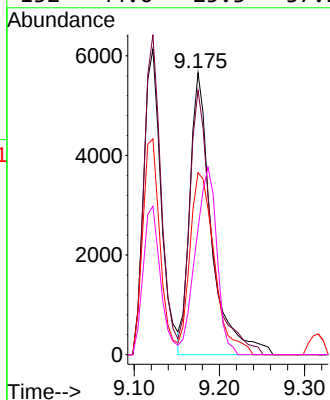
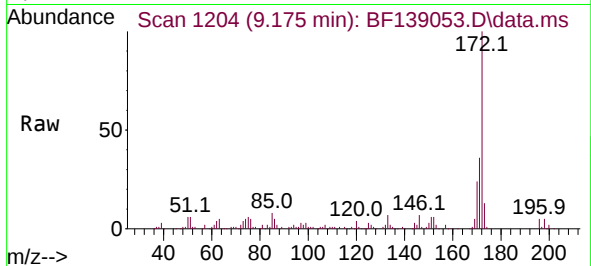




#44  
2,4,5-Trichlorophenol  
Concen: 4.831 ng  
RT: 9.175 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

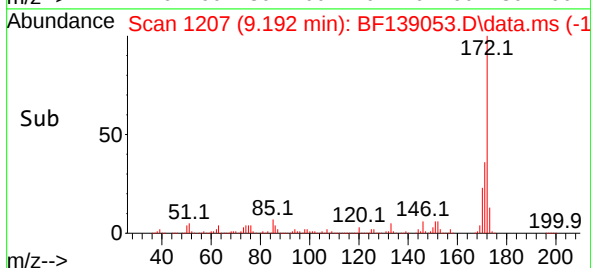
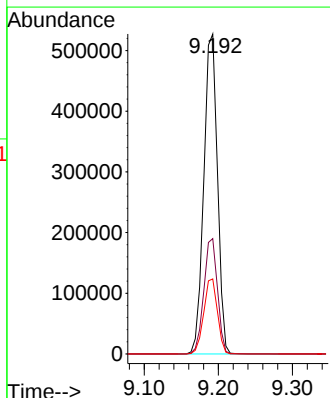
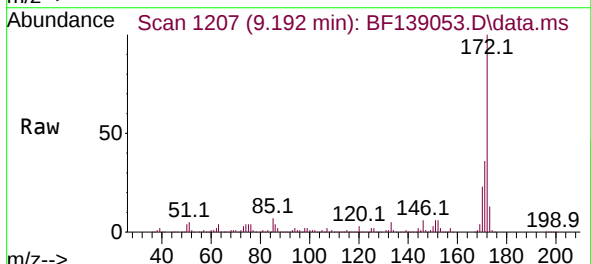
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

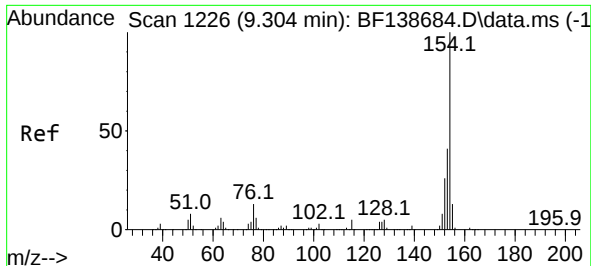
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 9990       |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 93.8  | 81.2 121.8 |
| 97          | 64.6  | 47.8 71.6  |
| 132         | 44.6  | 25.3 37.9# |



#45  
2-Fluorobiphenyl  
Concen: 90.827 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 675128    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 36.0  | 28.3 42.5 |
| 170         | 23.4  | 18.8 28.2 |

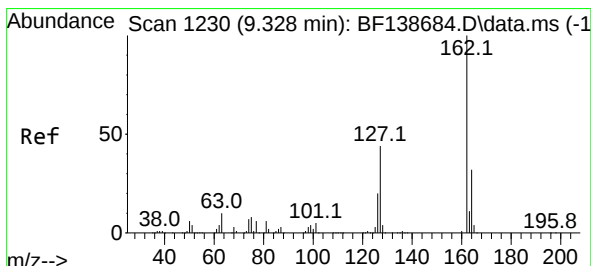
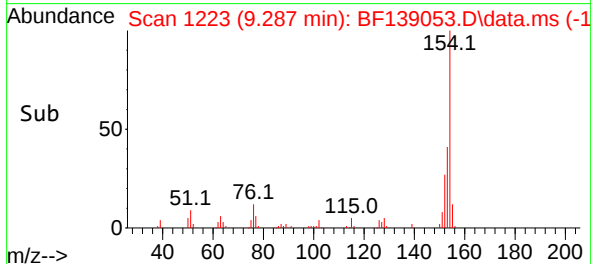
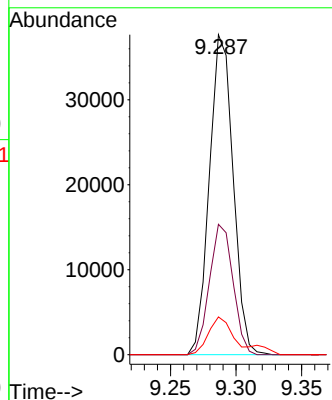
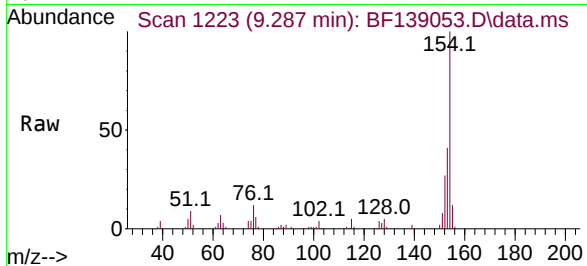




#46  
1,1'-Biphenyl  
Concen: 5.417 ng  
RT: 9.287 min Scan# 1223  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

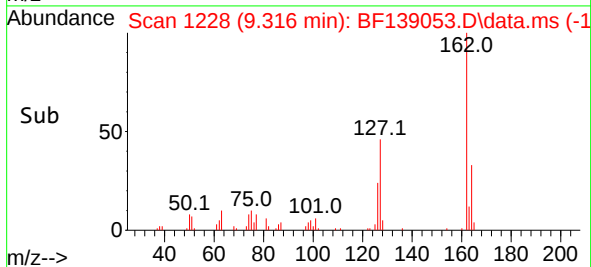
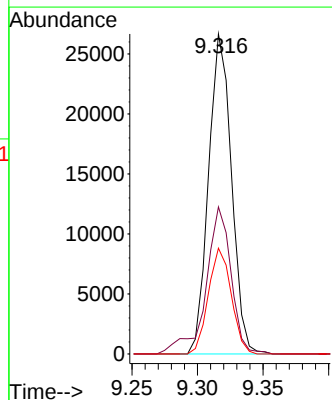
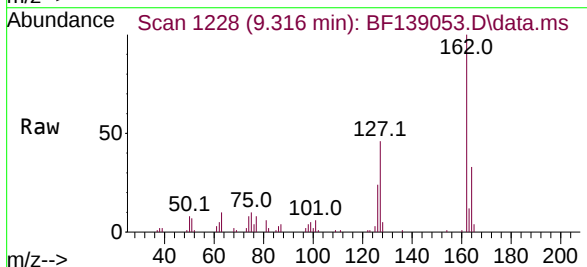
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

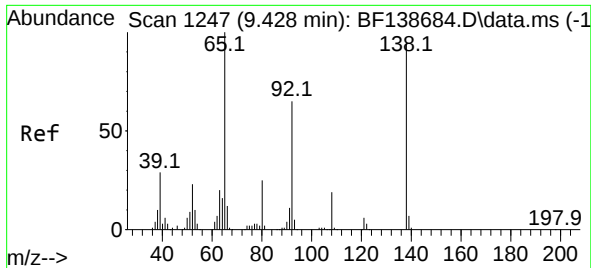
Tgt Ion:154 Resp: 47383  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.8 60.8  
76 11.8 0.0 32.8



#47  
2-Chloronaphthalene  
Concen: 4.984 ng  
RT: 9.316 min Scan# 1228  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:162 Resp: 32421  
Ion Ratio Lower Upper  
162 100  
127 45.9 35.4 53.2  
164 33.1 25.6 38.4

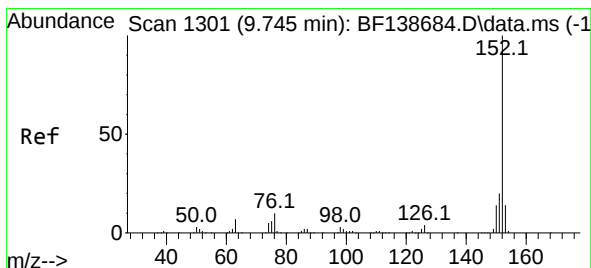
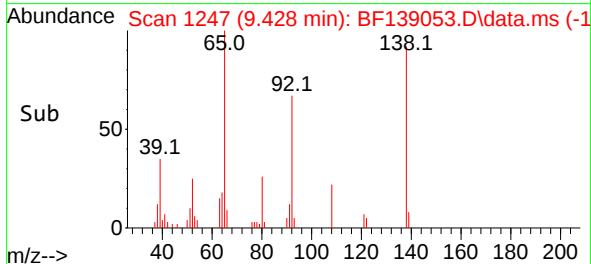
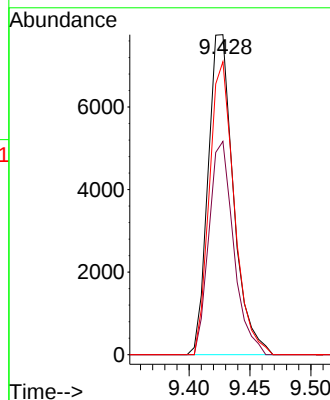
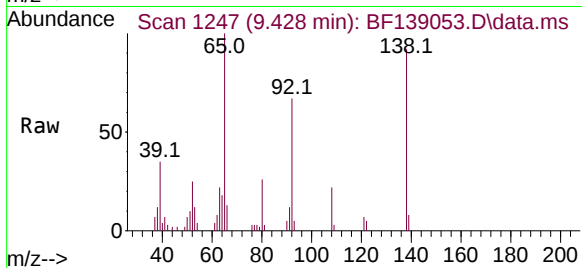




#48  
2-Nitroaniline  
Concen: 5.105 ng  
RT: 9.428 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

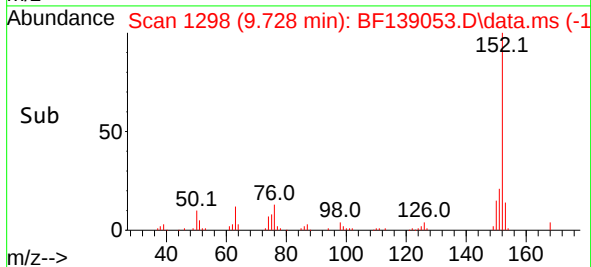
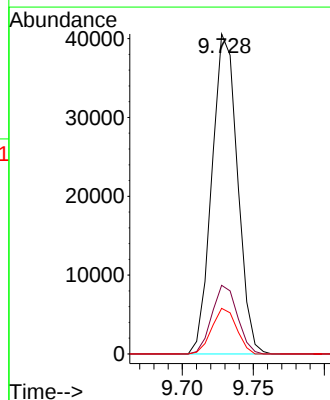
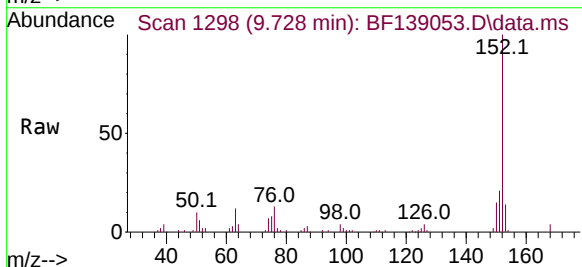
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

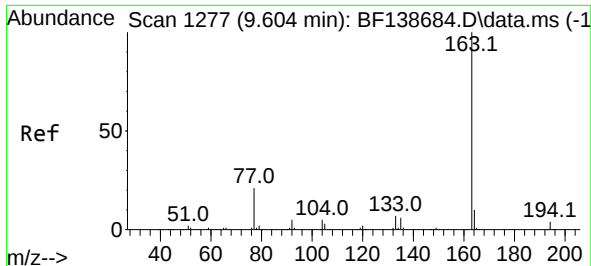
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 11259 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 92       | 66.6  | 52.0  | 78.0  |
| 138      | 91.6  | 76.2  | 114.4 |



#49  
Acenaphthylene  
Concen: 5.515 ng  
RT: 9.728 min Scan# 1298  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 50888 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.5  | 16.0  | 24.0  |
| 153      | 14.3  | 11.0  | 16.4  |

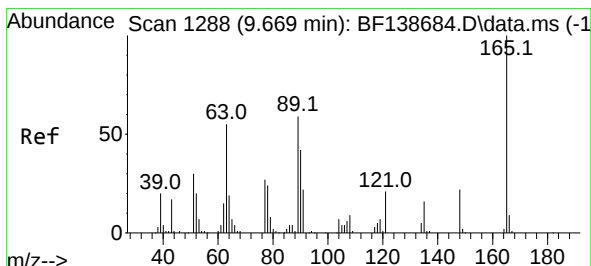
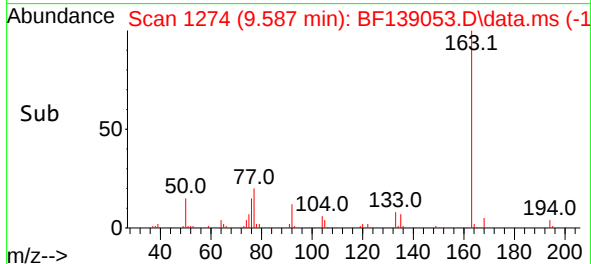
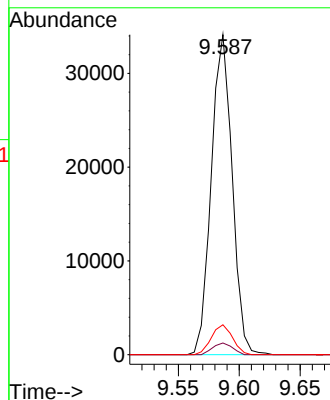
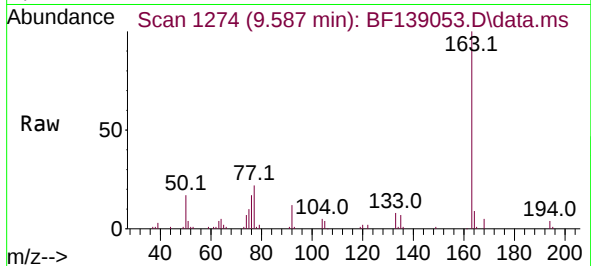




#50  
Dimethylphthalate  
Concen: 5.691 ng  
RT: 9.587 min Scan# 1274  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

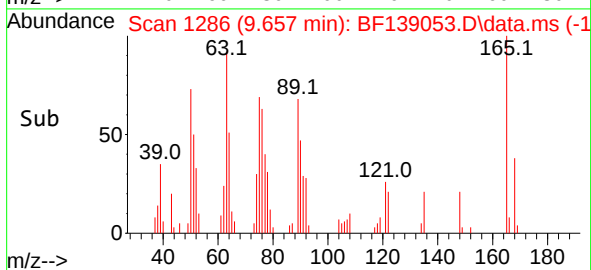
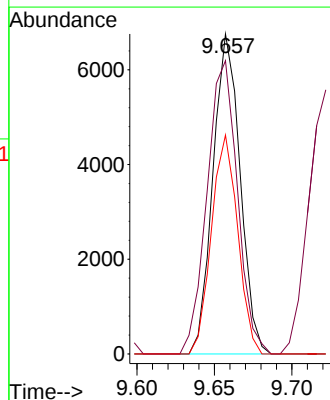
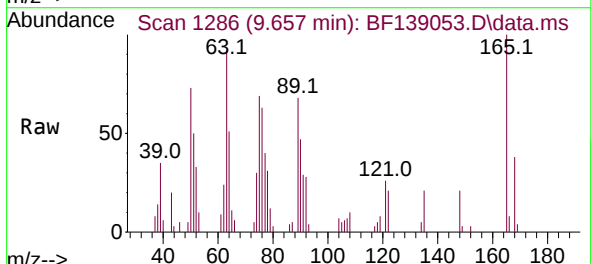
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

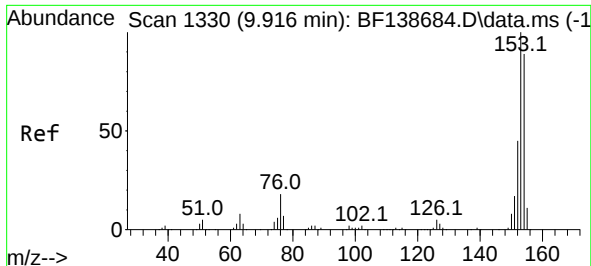
Tgt Ion:163 Resp: 40638  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.1 4.7  
164 9.3 7.8 11.8



#51  
2,6-Dinitrotoluene  
Concen: 5.105 ng  
RT: 9.657 min Scan# 1286  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:165 Resp: 8227  
Ion Ratio Lower Upper  
165 100  
63 91.7 52.0 78.0#  
89 68.4 47.0 70.6

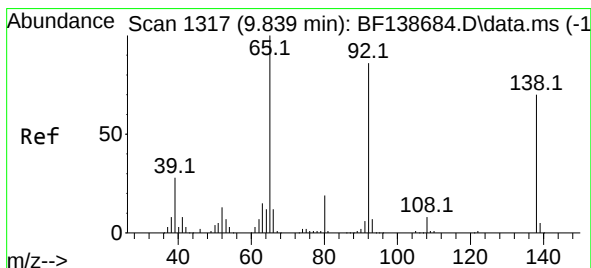
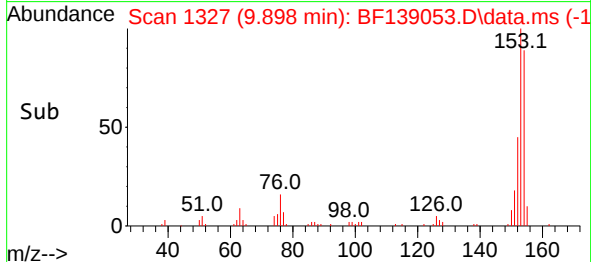
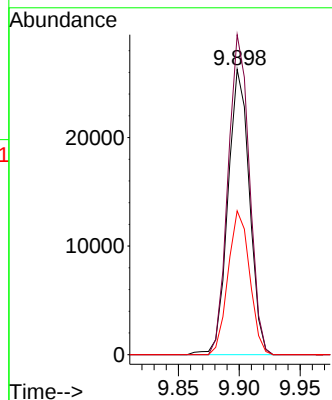
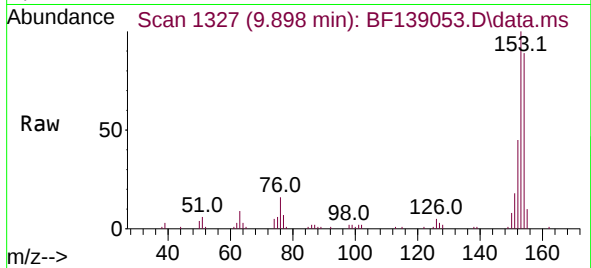




#52  
Acenaphthene  
Concen: 5.203 ng  
RT: 9.898 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

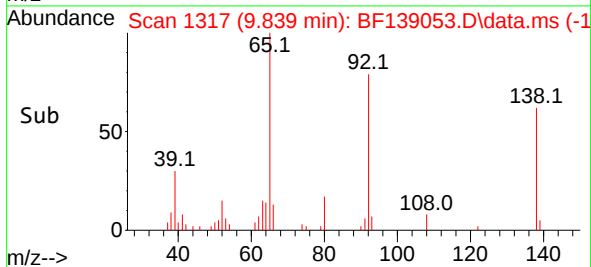
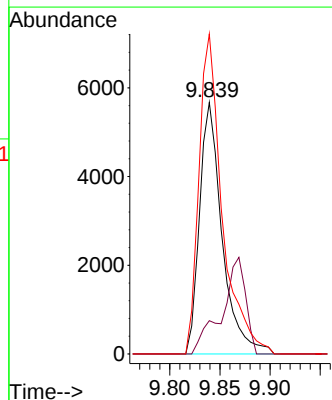
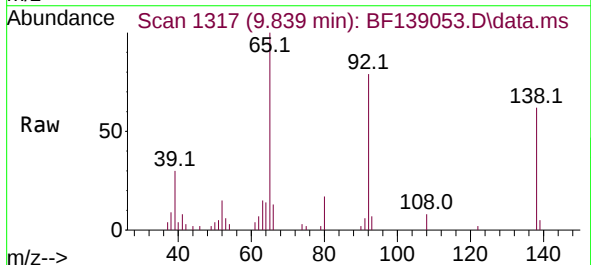
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

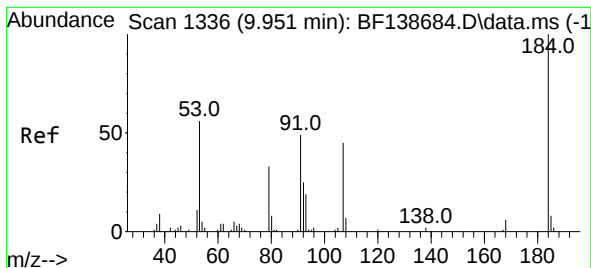
Tgt Ion:154 Resp: 32267  
Ion Ratio Lower Upper  
154 100  
153 112.2 89.9 134.9  
152 50.4 40.6 60.8



#53  
3-Nitroaniline  
Concen: 5.333 ng  
RT: 9.839 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:138 Resp: 8885  
Ion Ratio Lower Upper  
138 100  
108 13.3 9.1 13.7  
92 127.2 98.7 148.1





#54

2,4-Dinitrophenol

Concen: 0.780 ng

RT: 9.992 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

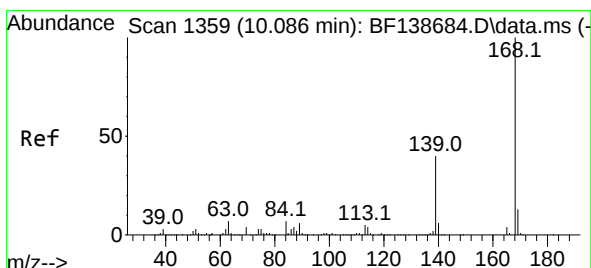
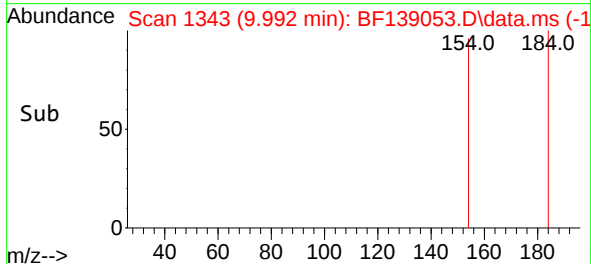
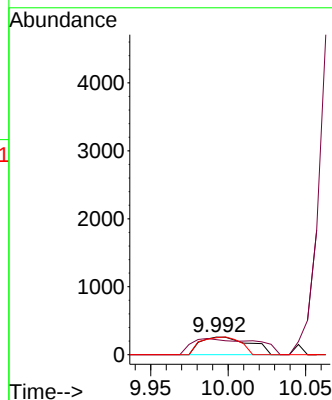
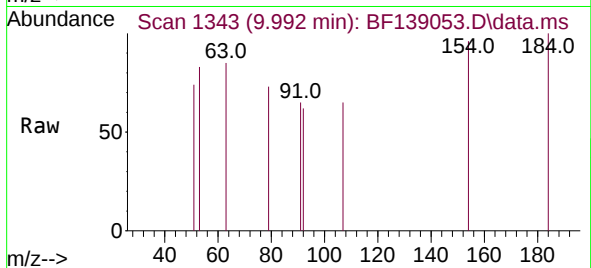
Tgt Ion:184 Resp: 579

Ion Ratio Lower Upper

184 100

63 85.0 57.5 86.3

154 95.8 51.7 77.5#



#55

Dibenzofuran

Concen: 5.571 ng

RT: 10.075 min Scan# 1357

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

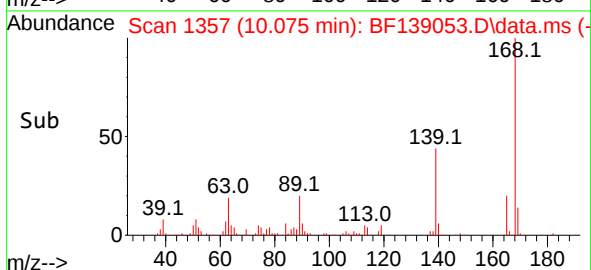
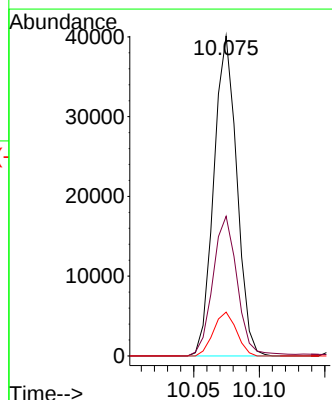
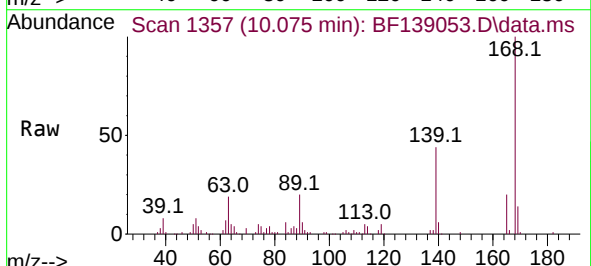
Tgt Ion:168 Resp: 48771

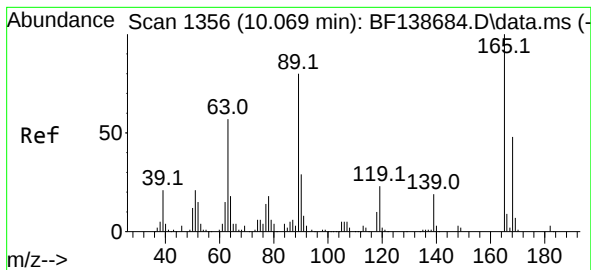
Ion Ratio Lower Upper

168 100

139 43.6 32.6 49.0

169 13.7 10.7 16.1

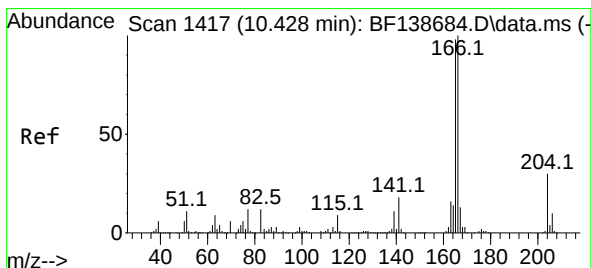
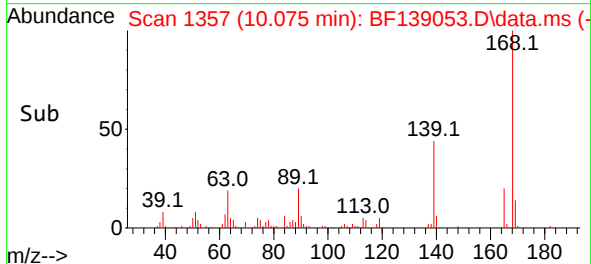
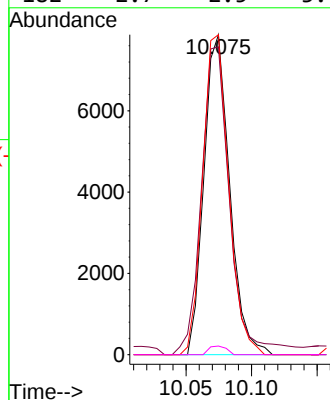
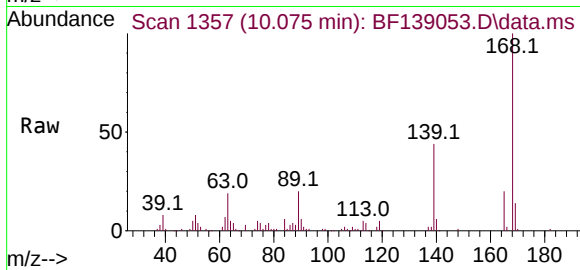




#57  
2,4-Dinitrotoluene  
Concen: 5.224 ng  
RT: 10.075 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

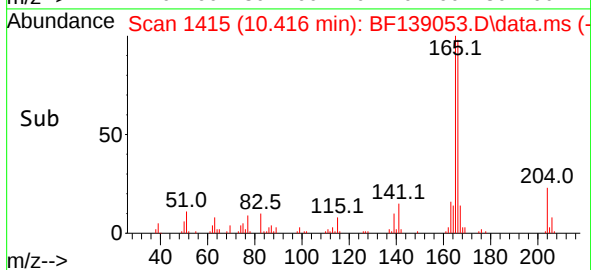
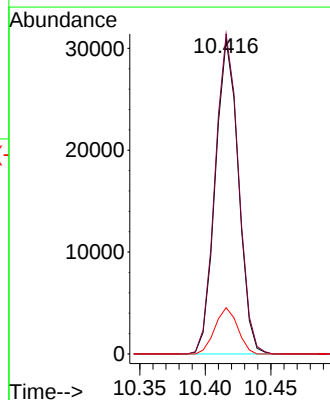
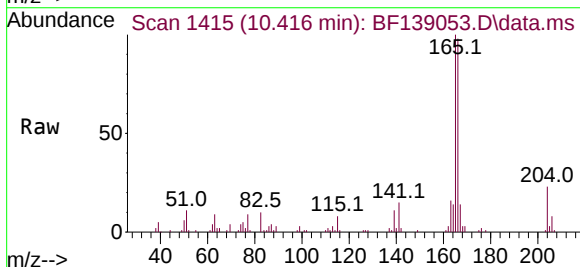
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

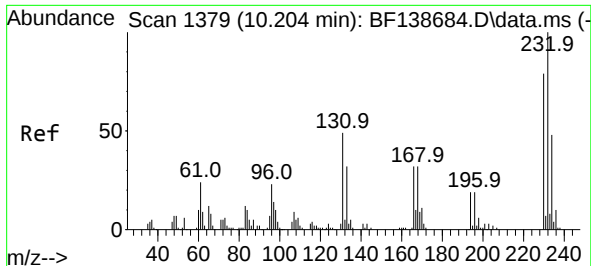
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 10742 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 96.2  | 46.3  | 69.5# |
| 89       | 100.0 | 64.2  | 96.4# |
| 182      | 2.7   | 2.5   | 3.7   |



#58  
Fluorene  
Concen: 5.409 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 37712 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 101.8 | 78.4  | 117.6 |
| 167      | 14.7  | 10.6  | 16.0  |





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.494 ng

RT: 10.204 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:232 Resp: 7104

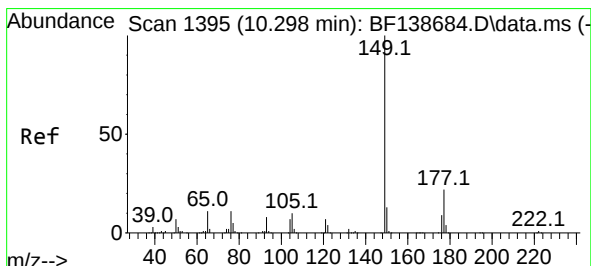
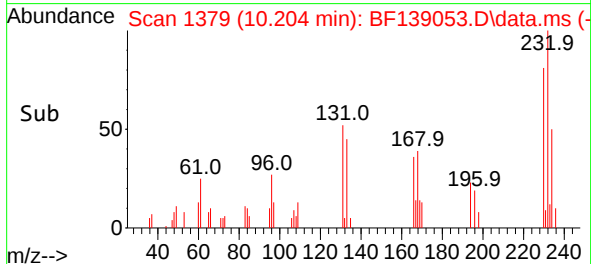
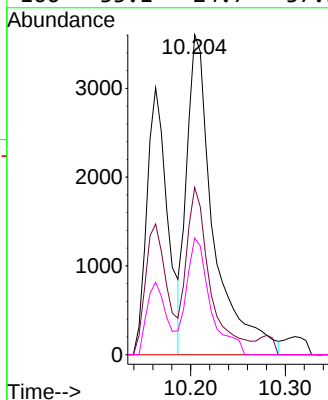
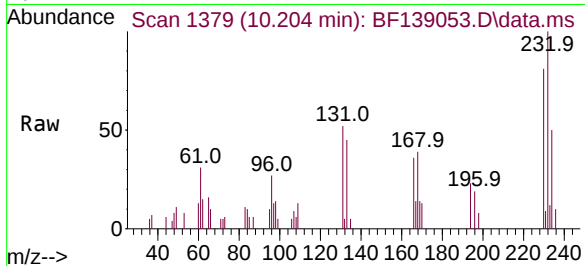
Ion Ratio Lower Upper

232 100

131 46.2 37.0 55.4

130 0.0 2.0 3.0#

166 33.1 24.7 37.1



#60

Diethylphthalate

Concen: 6.031 ng

RT: 10.281 min Scan# 1392

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

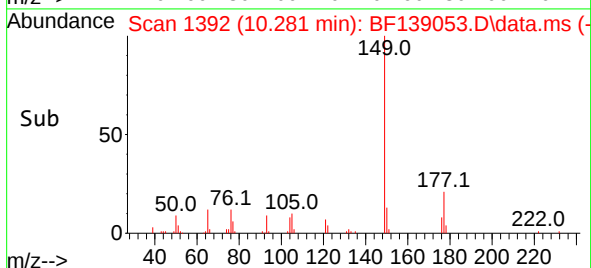
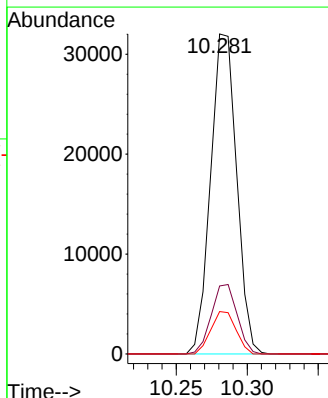
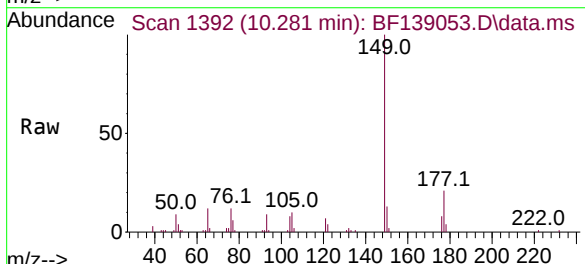
Tgt Ion:149 Resp: 40837

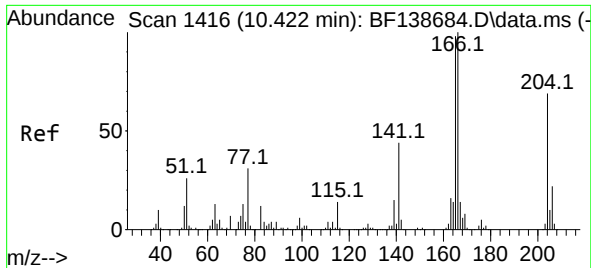
Ion Ratio Lower Upper

149 100

177 21.3 17.8 26.8

150 13.2 10.1 15.1

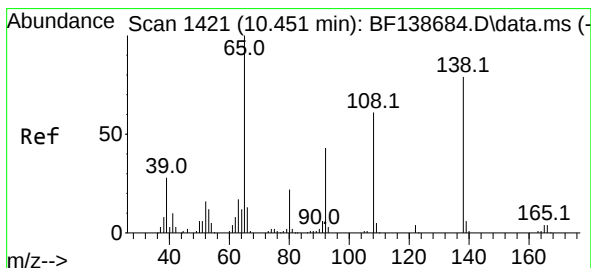
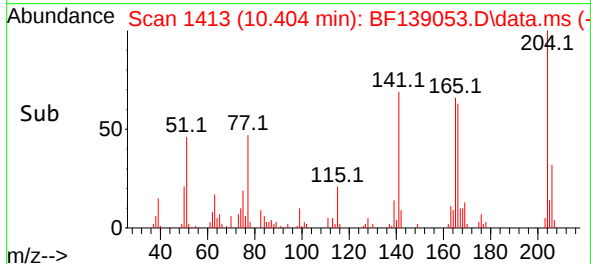
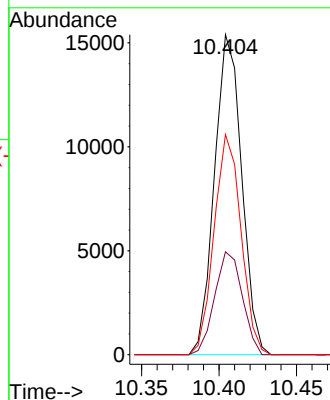
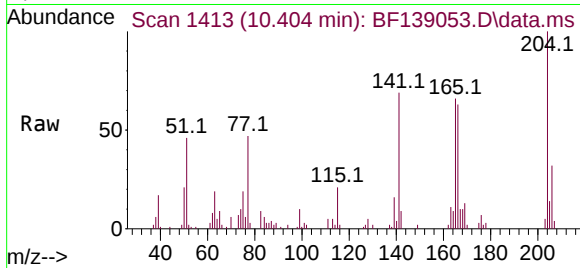




#61  
4-Chlorophenyl-phenylether  
Concen: 5.489 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.018 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

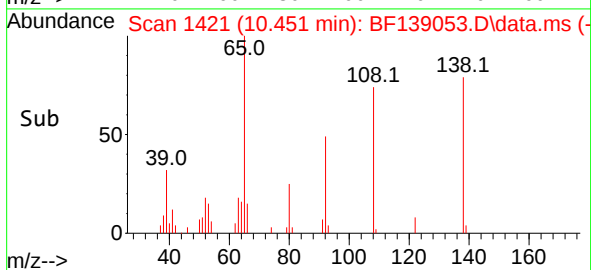
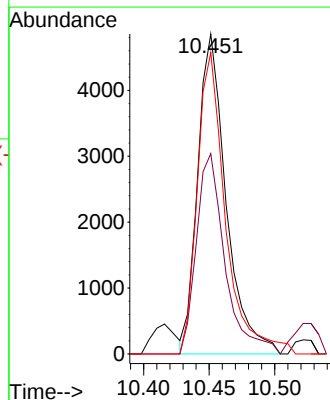
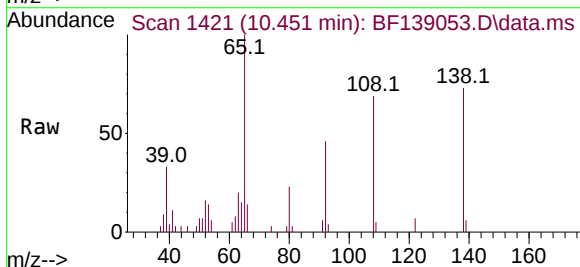
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

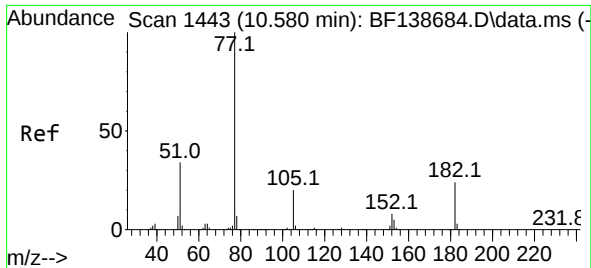
Tgt Ion:204 Resp: 18821  
Ion Ratio Lower Upper  
204 100  
206 32.1 26.1 39.1  
141 68.8 51.4 77.0



#62  
4-Nitroaniline  
Concen: 4.643 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:138 Resp: 7351  
Ion Ratio Lower Upper  
138 100  
92 62.6 34.2 74.2  
108 94.2 56.2 96.2

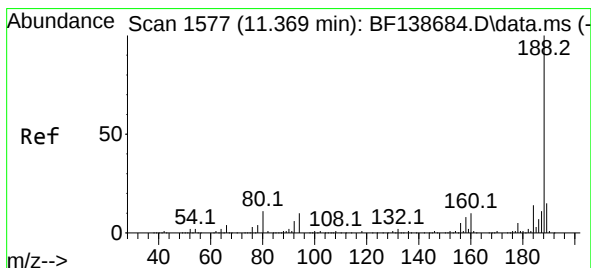
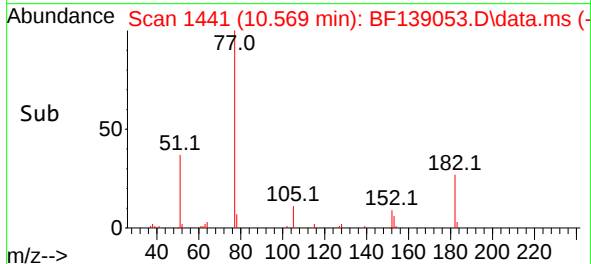
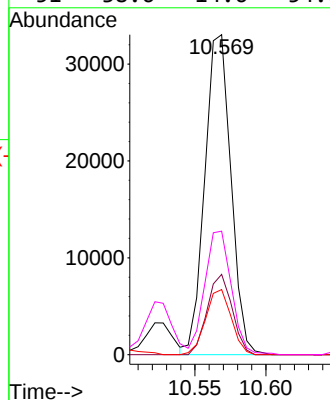
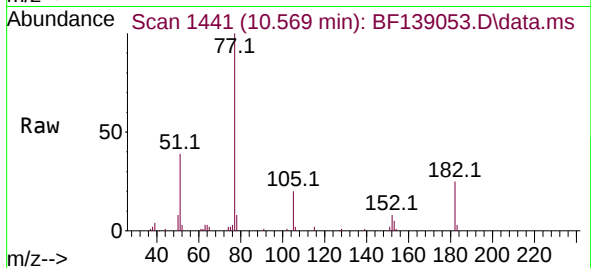




#63  
Azobenzene  
Concen: 5.638 ng  
RT: 10.569 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

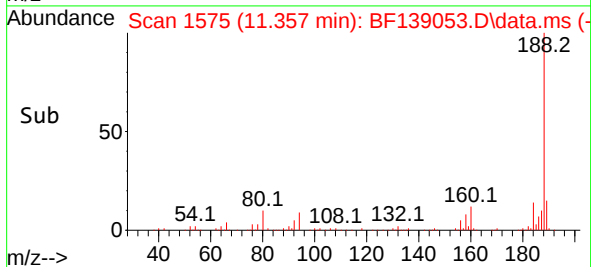
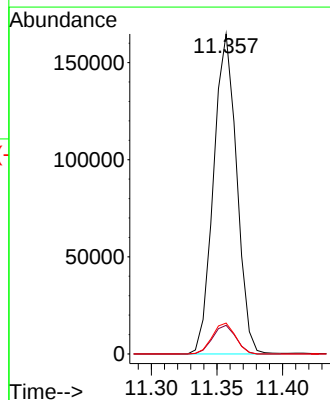
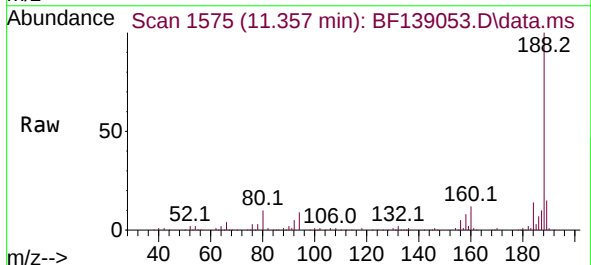
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

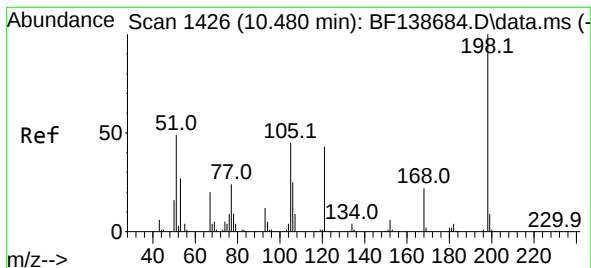
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 42339 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 25.1    | 3.4 43.4    |
| 105 20.4    | 0.2 40.2    |
| 51 38.6     | 14.6 54.6   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1575  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:188 | Resp: 201989 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 188 100     |              |       |  |
| 94 8.9      | 7.6          | 11.4  |  |
| 80 9.7      | 8.6          | 12.8  |  |

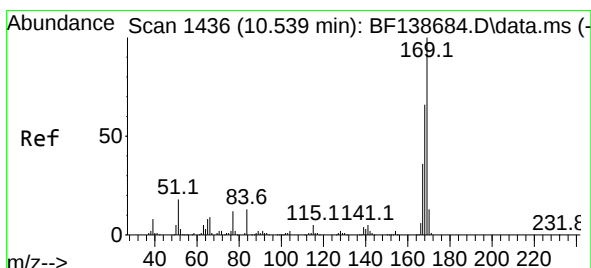
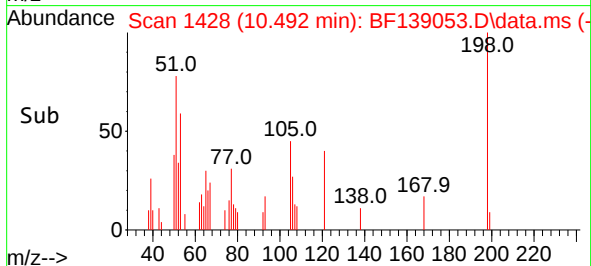
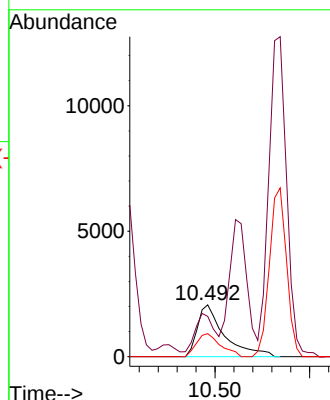
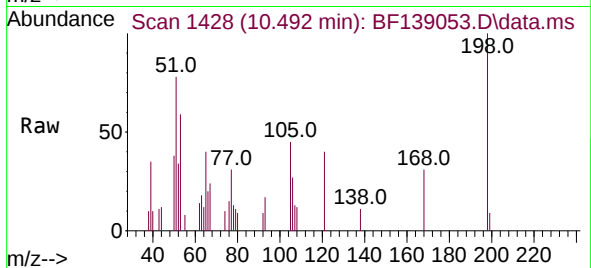




#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.313 ng  
RT: 10.492 min Scan# 1426  
Delta R.T. 0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

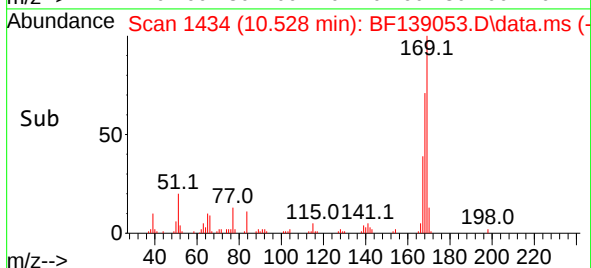
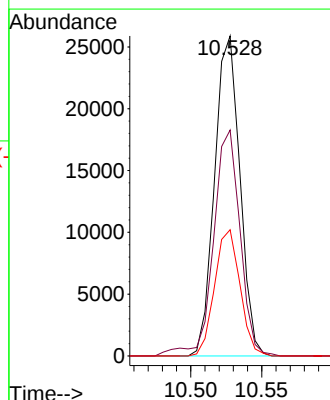
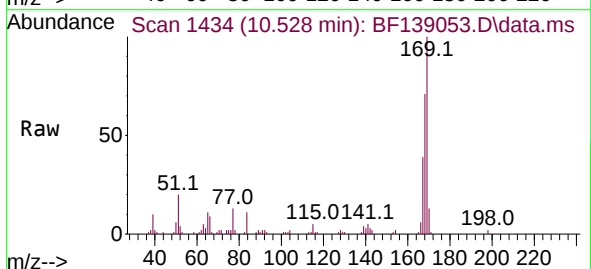
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

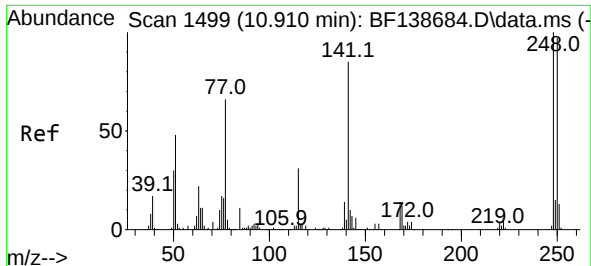
Tgt Ion:198 Resp: 4083  
Ion Ratio Lower Upper  
198 100  
51 77.6 39.9 79.9  
105 44.6 26.1 66.1



#66  
n-Nitrosodiphenylamine  
Concen: 5.076 ng  
RT: 10.528 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:169 Resp: 32047  
Ion Ratio Lower Upper  
169 100  
168 70.6 53.0 79.6  
167 39.5 29.0 43.6

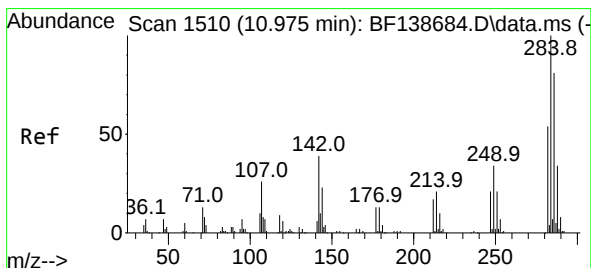
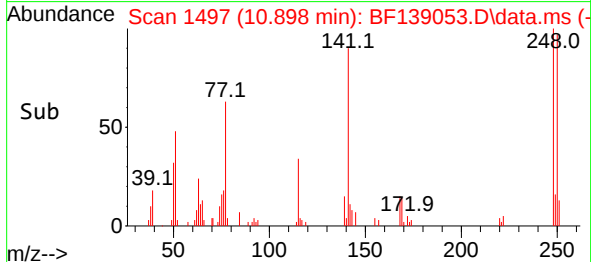
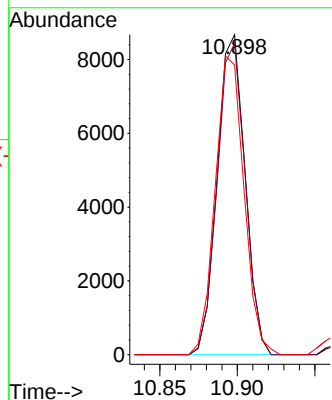
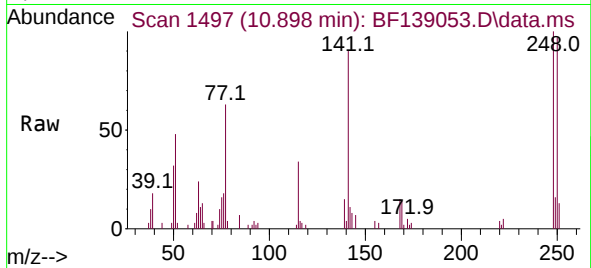




#67  
4-Bromophenyl-phenylether  
Concen: 4.952 ng  
RT: 10.898 min Scan# 1499  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

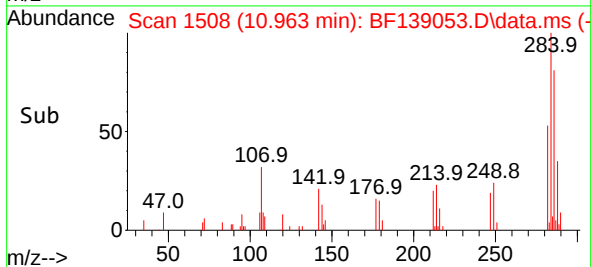
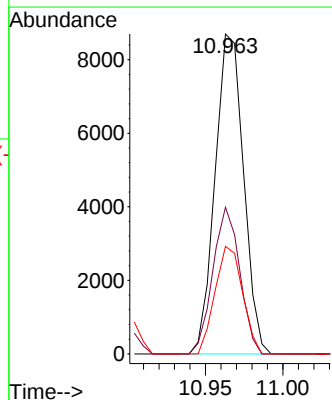
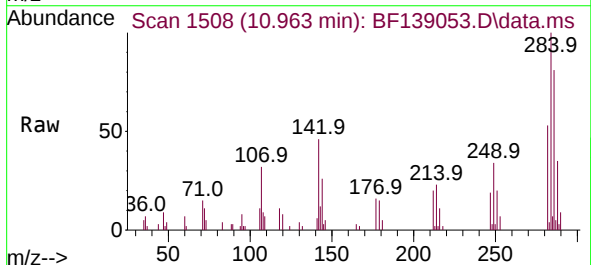
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

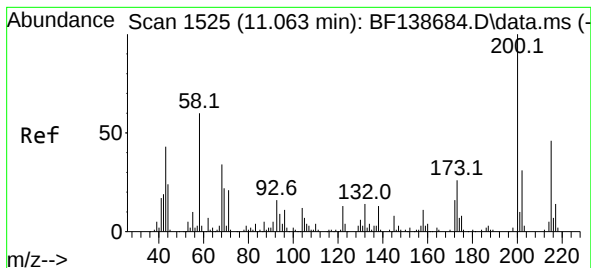
Tgt Ion:248 Resp: 10830  
Ion Ratio Lower Upper  
248 100  
250 97.3 77.7 116.5  
141 90.5 68.0 102.0



#68  
Hexachlorobenzene  
Concen: 4.923 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:284 Resp: 11117  
Ion Ratio Lower Upper  
284 100  
142 45.9 31.3 46.9  
249 33.6 27.2 40.8





#69

Atrazine

Concen: 6.335 ng

RT: 11.051 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

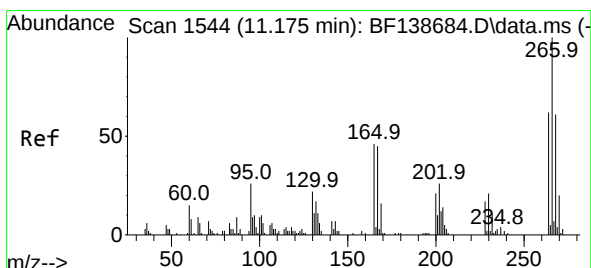
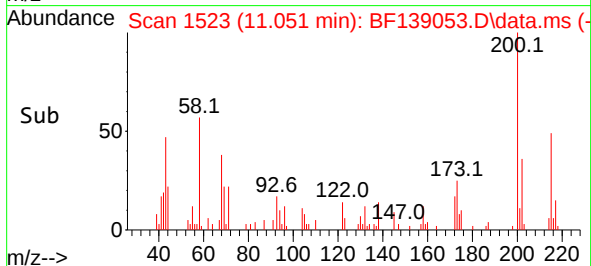
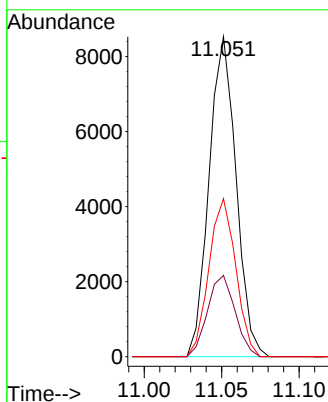
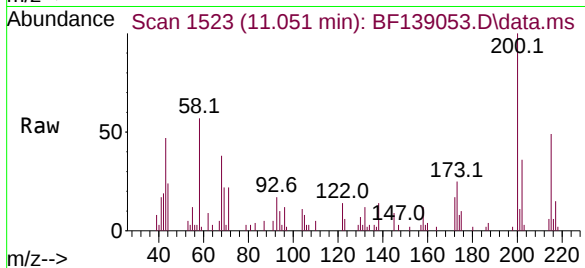
Tgt Ion:200 Resp: 10320

Ion Ratio Lower Upper

200 100

173 25.4 6.0 46.0

215 49.4 26.1 66.1



#70

Pentachlorophenol

Concen: 0.913 ng

RT: 11.192 min Scan# 1547

Delta R.T. 0.017 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

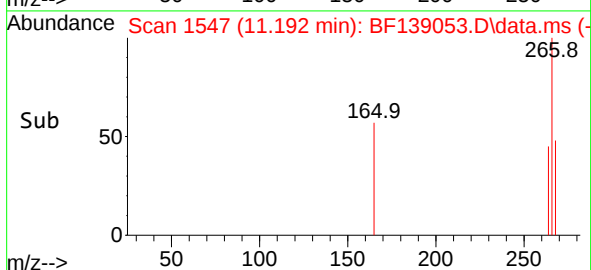
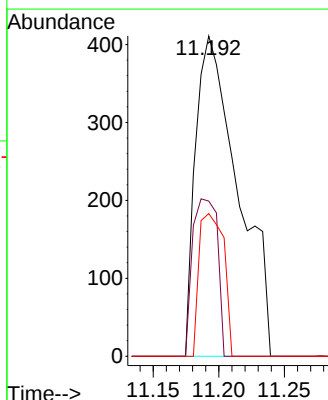
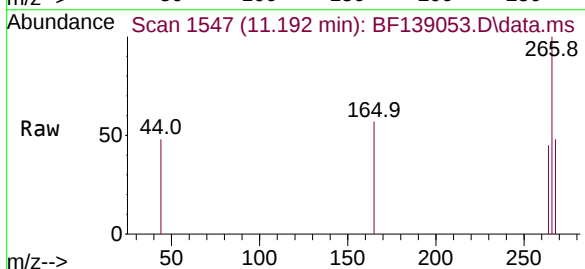
Tgt Ion:266 Resp: 929

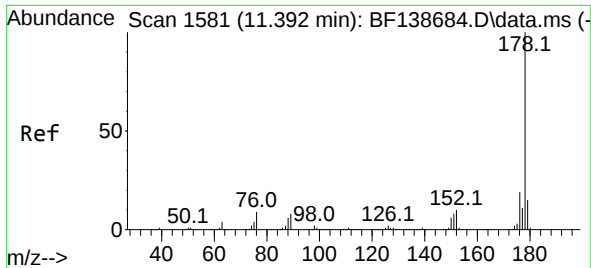
Ion Ratio Lower Upper

266 100

268 48.4 49.2 73.8#

264 44.5 49.8 74.6#

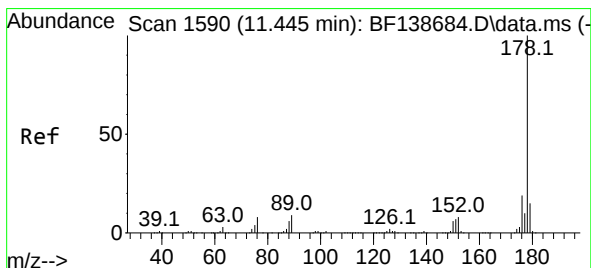
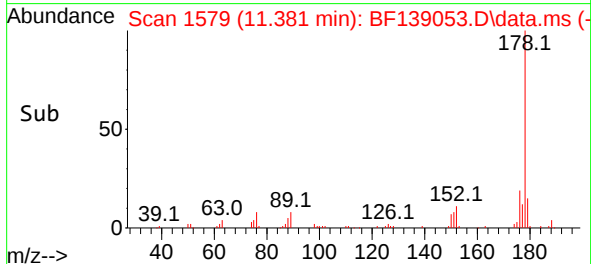
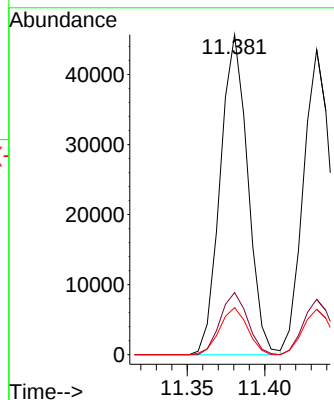
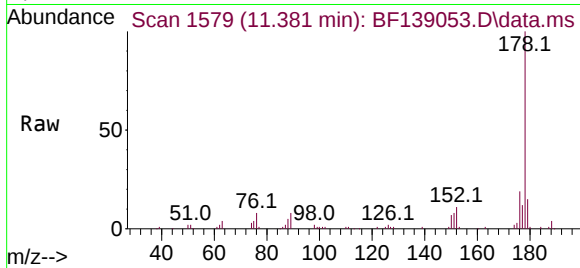




#71  
Phenanthrene  
Concen: 5.422 ng  
RT: 11.381 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

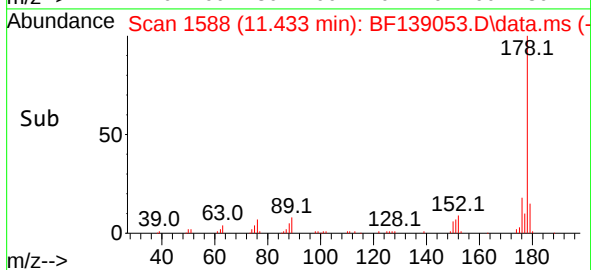
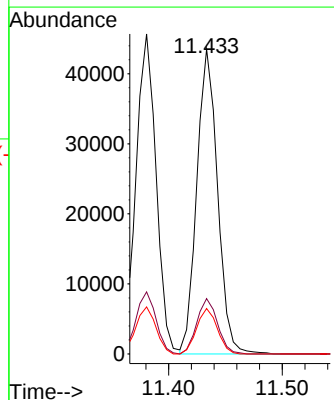
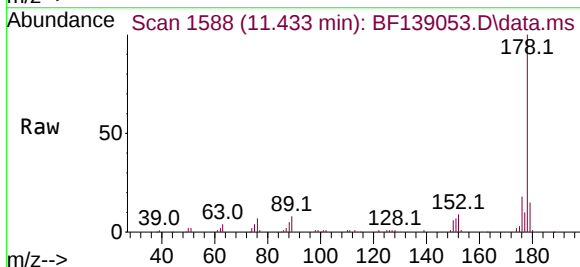
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

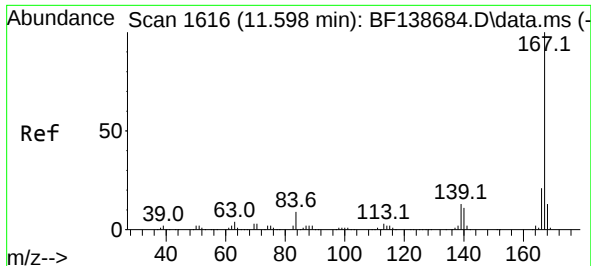
Tgt Ion:178 Resp: 56395  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 14.7 12.2 18.2



#72  
Anthracene  
Concen: 5.396 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.012 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:178 Resp: 55287  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.9 22.3  
179 14.9 12.4 18.6

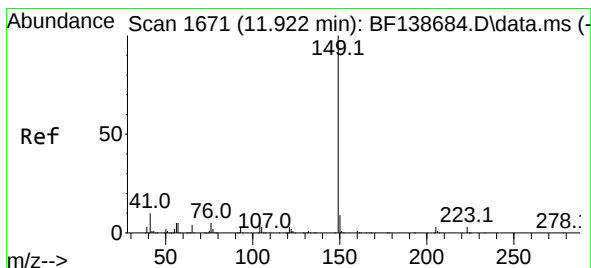
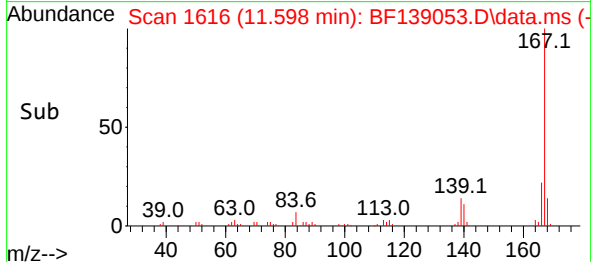
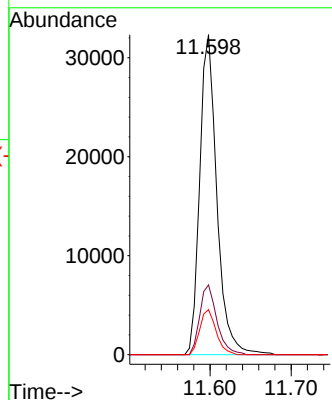
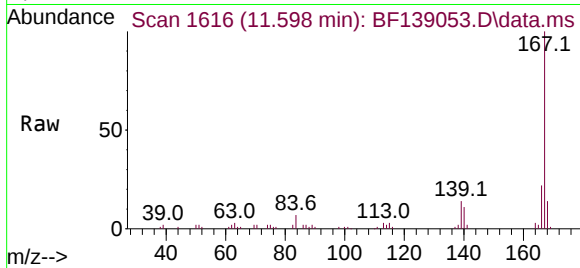




#73  
 Carbazole  
 Concen: 5.377 ng  
 RT: 11.598 min Scan# 1616  
 Delta R.T. 0.000 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

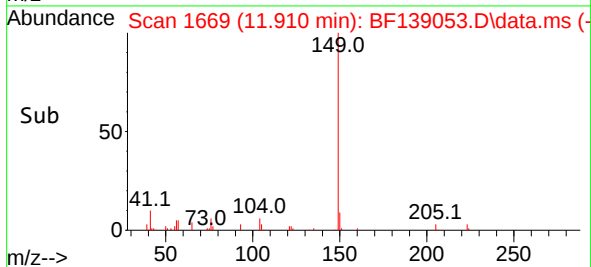
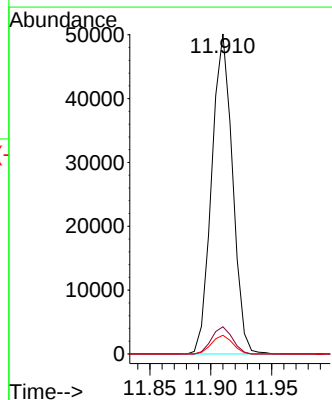
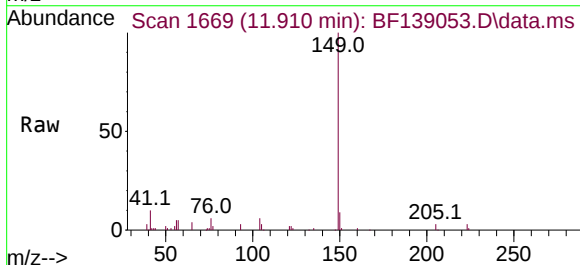
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

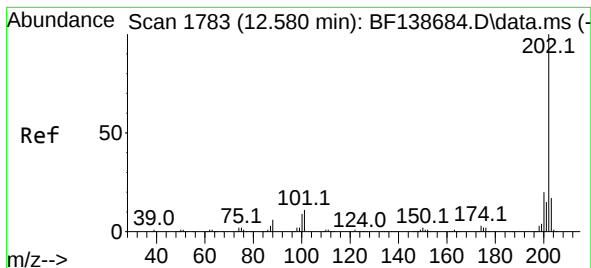
Tgt Ion:167 Resp: 47534  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.2 25.8  
 139 14.1 10.6 16.0



#74  
 Di-n-butylphthalate  
 Concen: 6.015 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. -0.012 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

Tgt Ion:149 Resp: 59776  
 Ion Ratio Lower Upper  
 149 100  
 150 8.5 7.4 11.0  
 104 5.9 4.1 6.1





#75

Fluoranthene

Concen: 5.466 ng

RT: 12.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

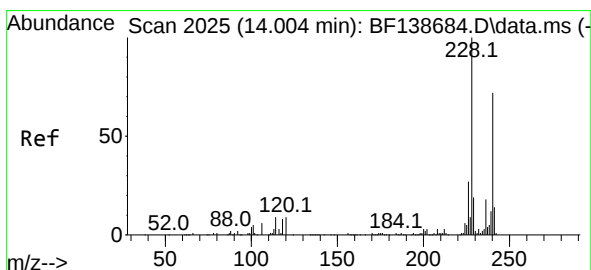
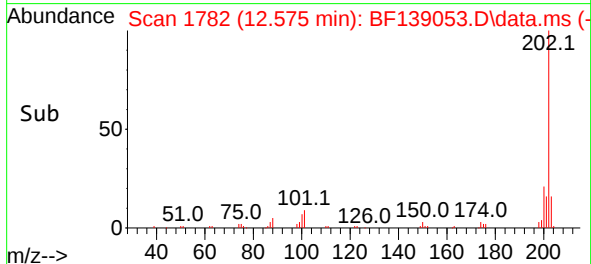
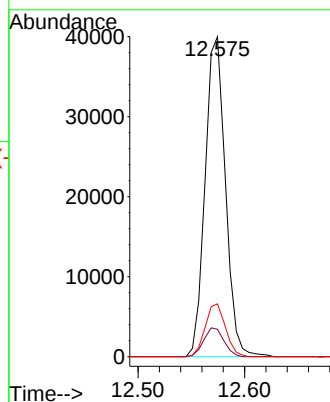
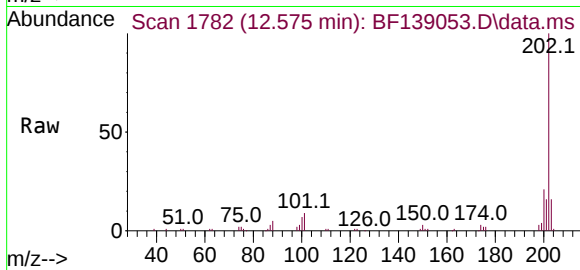
Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:202 | Resp: | 53073    |
| Ion Ratio   | Lower | Upper    |
| 202         | 100   |          |
| 101         | 8.5   | 0.0 31.2 |
| 203         | 16.5  | 0.0 37.3 |



#76

Chrysene-d12

Concen: 20.000 ng

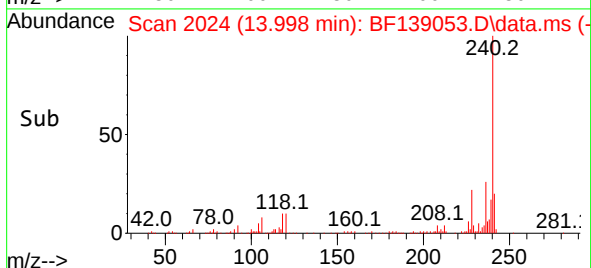
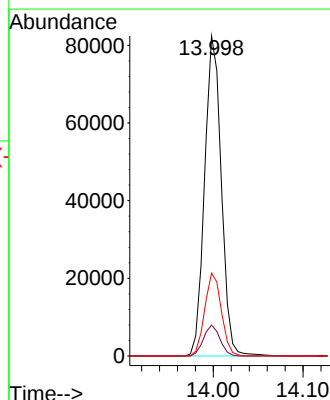
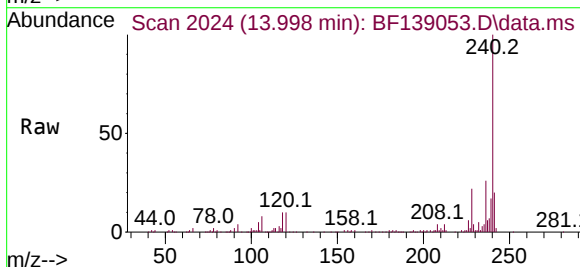
RT: 13.998 min Scan# 2024

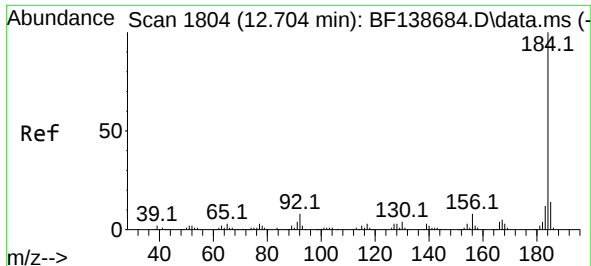
Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:240 | Resp: | 106531     |
| Ion Ratio   | Lower | Upper      |
| 240         | 100   |            |
| 120         | 9.7   | 10.2 15.4# |
| 236         | 25.9  | 19.8 29.8  |

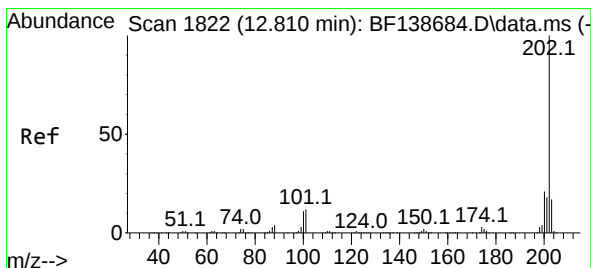
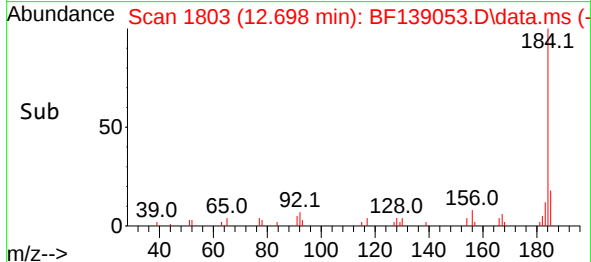
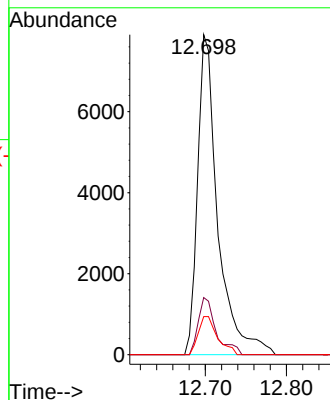
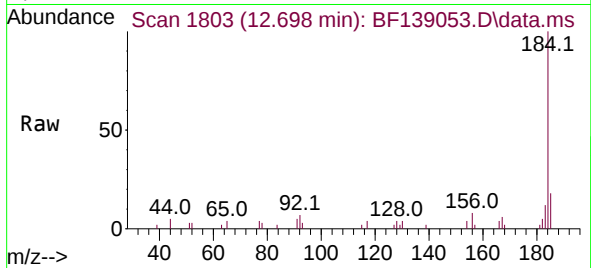




#77  
Benzidine  
Concen: 5.363 ng  
RT: 12.698 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

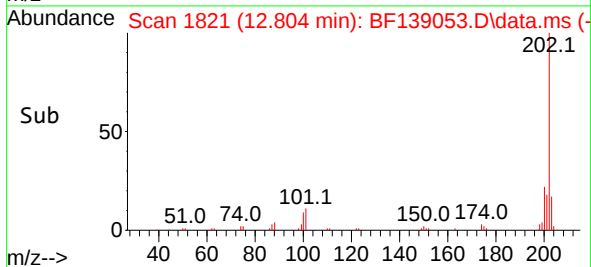
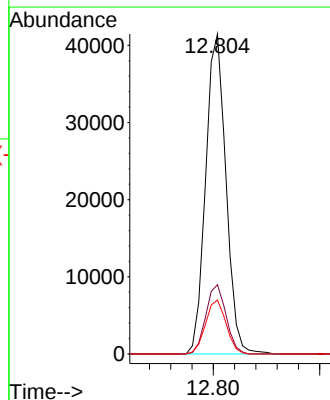
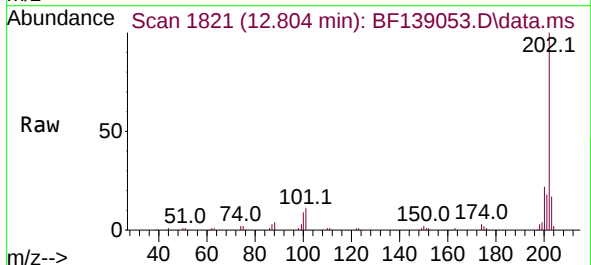
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

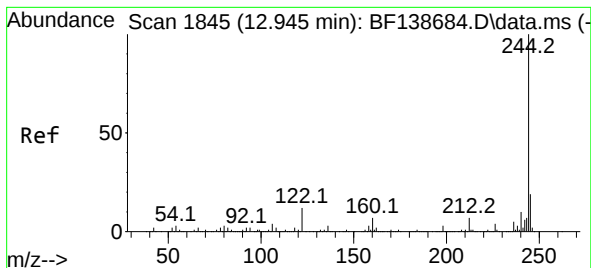
Tgt Ion:184 Resp: 13666  
Ion Ratio Lower Upper  
184 100  
185 17.8 11.1 16.7#  
183 11.9 9.6 14.4



#78  
Pyrene  
Concen: 5.476 ng  
RT: 12.804 min Scan# 1821  
Delta R.T. -0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Tgt Ion:202 Resp: 54930  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.8 25.2  
203 16.9 13.8 20.6





#79

Terphenyl-d14

Concen: 106.416 ng

RT: 12.939 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

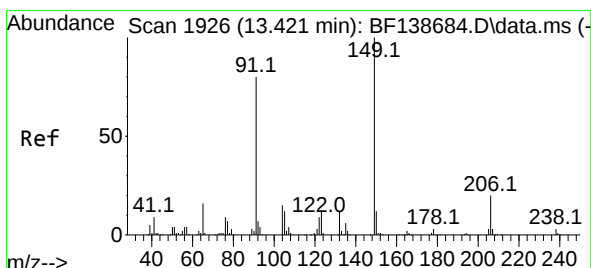
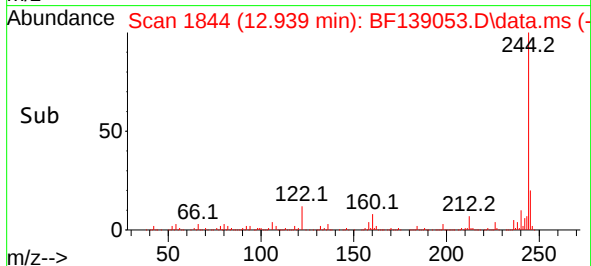
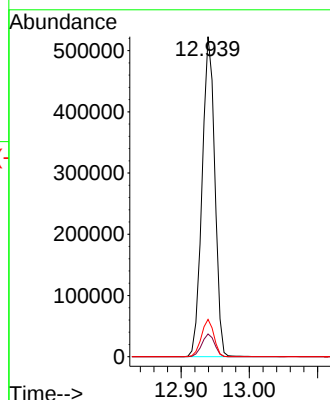
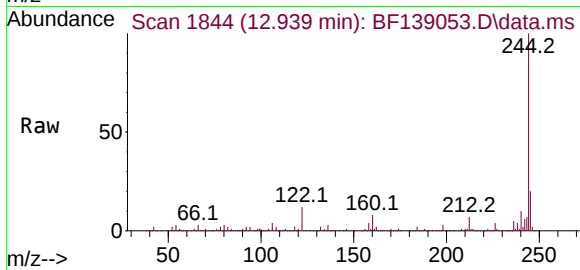
Tgt Ion:244 Resp: 677107

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 11.6 9.6 14.4



#80

Butylbenzylphthalate

Concen: 6.104 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

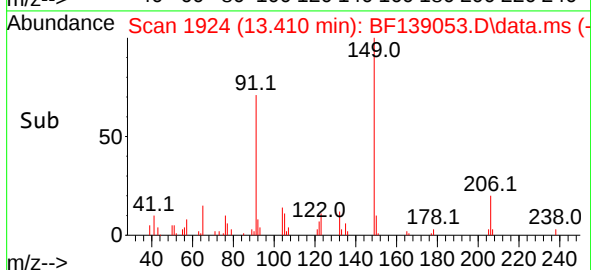
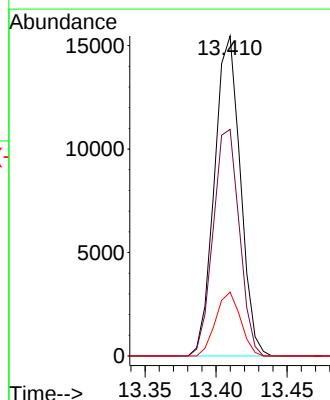
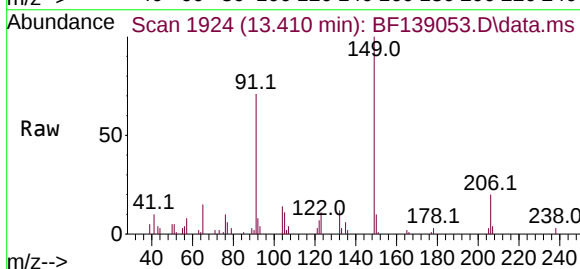
Tgt Ion:149 Resp: 19607

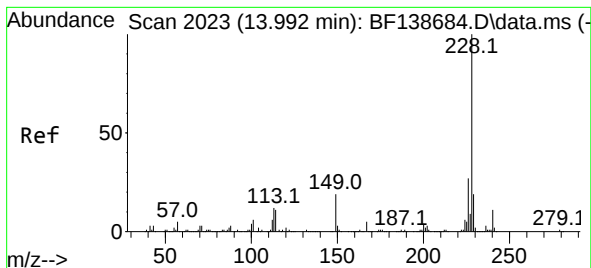
Ion Ratio Lower Upper

149 100

91 70.8 63.7 95.5

206 20.0 16.2 24.2





#81

Benzo(a)anthracene

Concen: 5.354 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

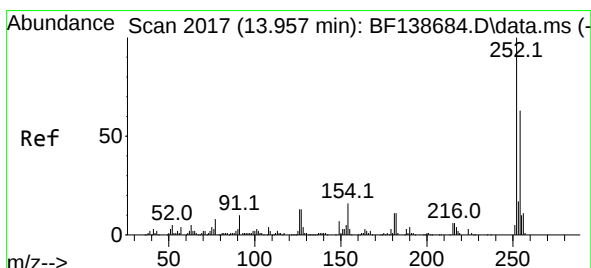
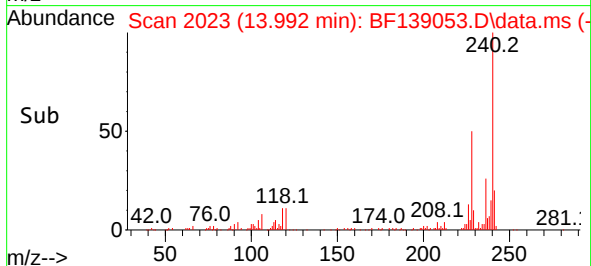
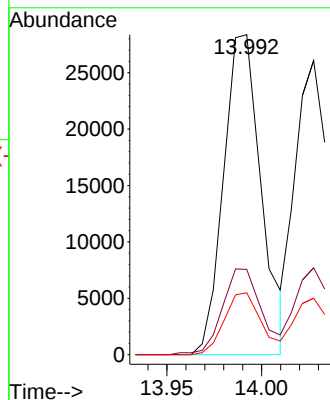
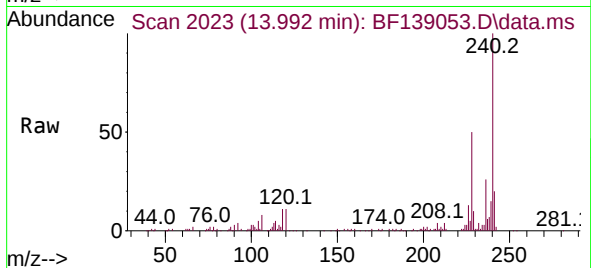
Tgt Ion:228 Resp: 39274

Ion Ratio Lower Upper

228 100

226 26.7 22.1 33.1

229 19.3 15.4 23.0



#82

3,3'-Dichlorobenzidine

Concen: 5.571 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

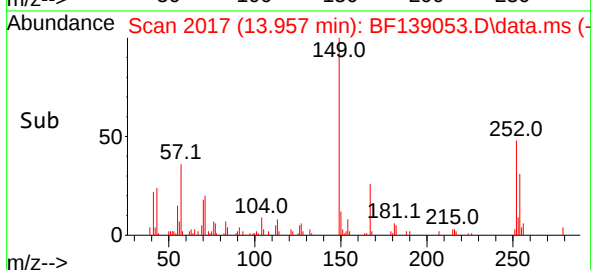
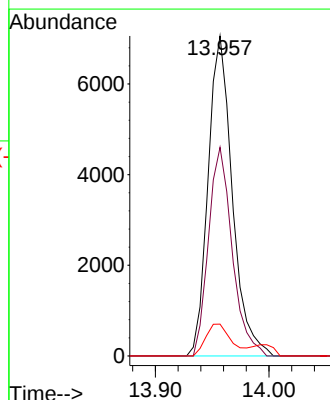
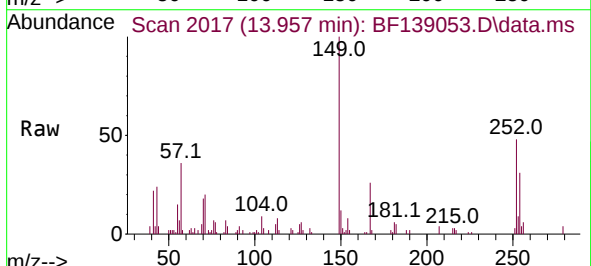
Tgt Ion:252 Resp: 10458

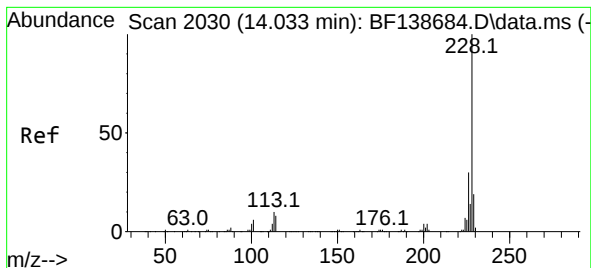
Ion Ratio Lower Upper

252 100

254 65.2 50.8 76.2

126 9.9 10.2 15.2#





#83

Chrysene

Concen: 5.023 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

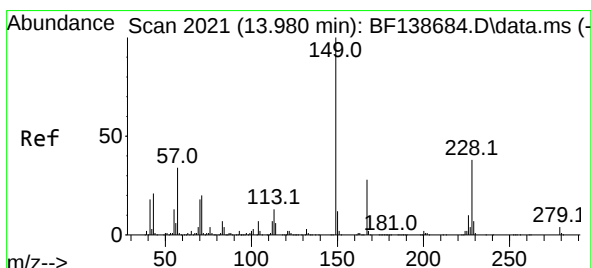
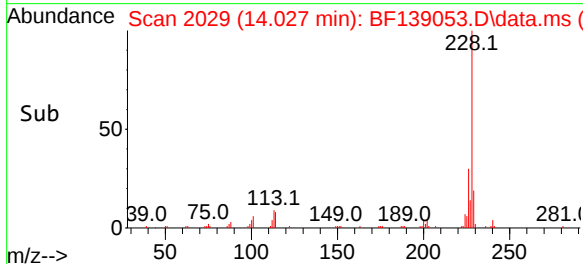
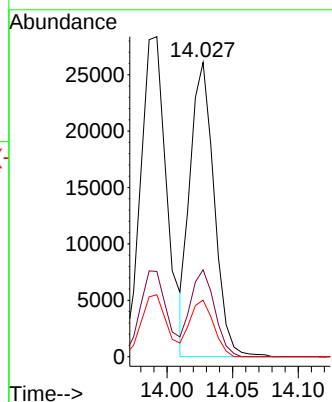
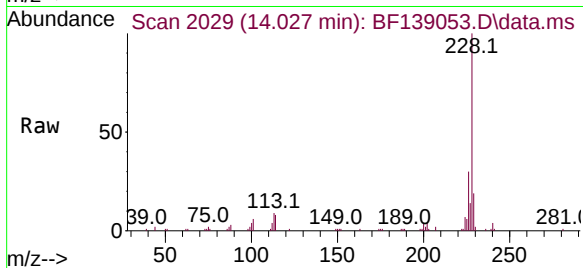
Tgt Ion:228 Resp: 33243

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

229 19.2 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.403 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

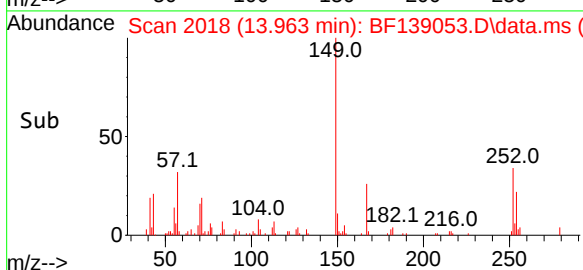
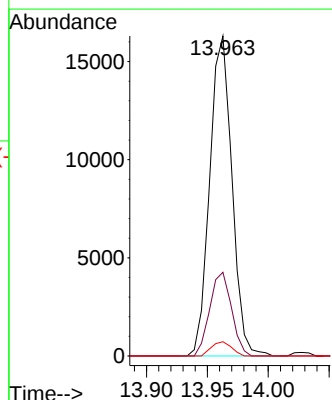
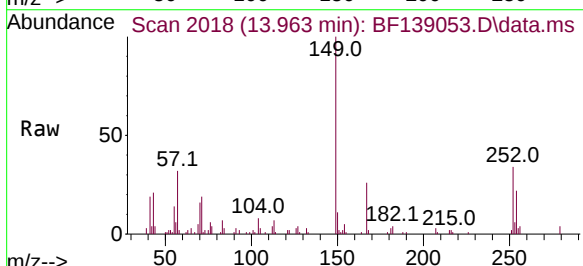
Tgt Ion:149 Resp: 20710

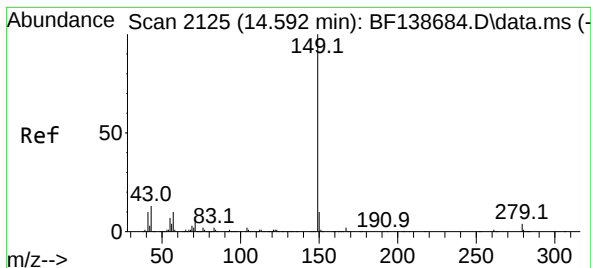
Ion Ratio Lower Upper

149 100

167 26.1 22.2 33.4

279 4.4 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 3.264 ng

RT: 14.574 min Scan# 2125

Delta R.T. -0.018 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

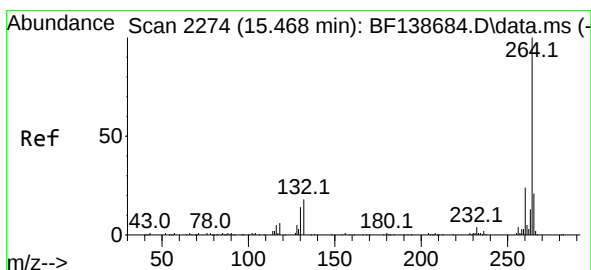
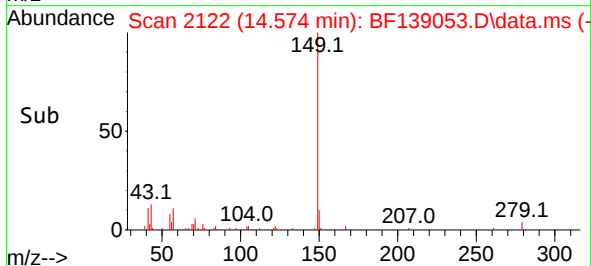
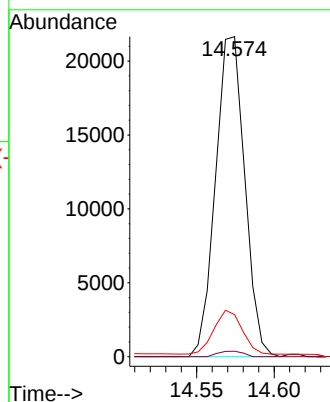
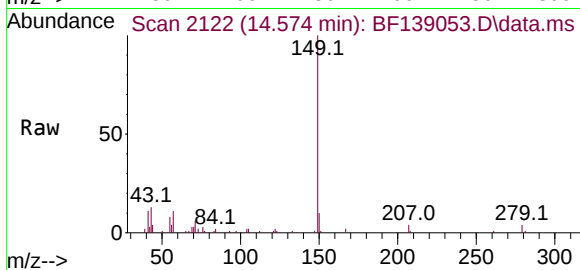
Tgt Ion:149 Resp: 28400

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 16.3 10.4 15.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.469 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

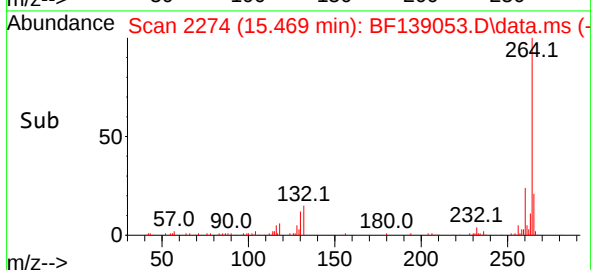
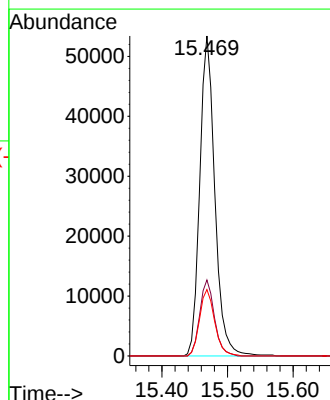
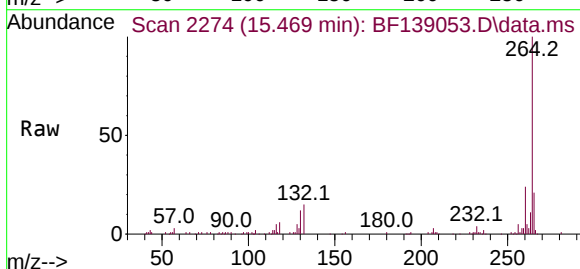
Tgt Ion:264 Resp: 85586

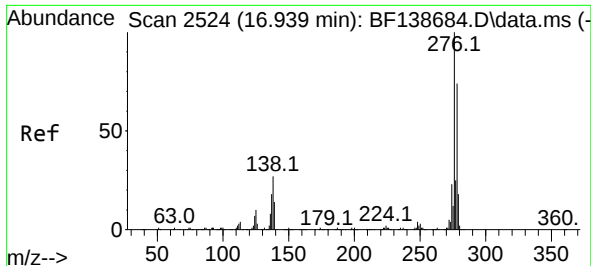
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 20.8 17.0 25.6

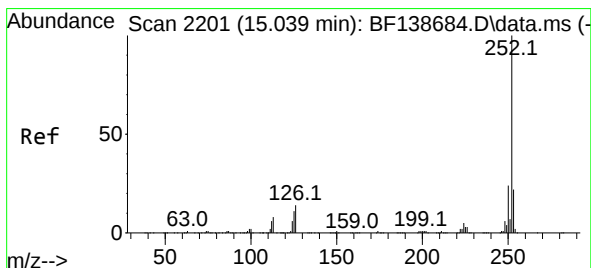
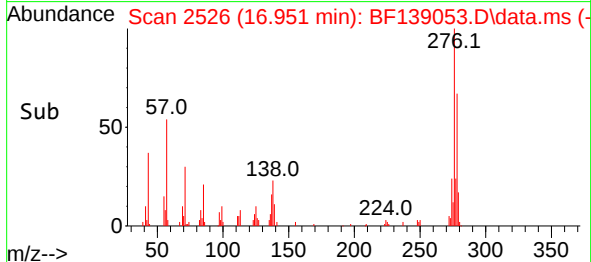
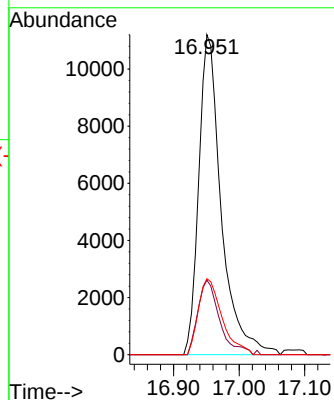
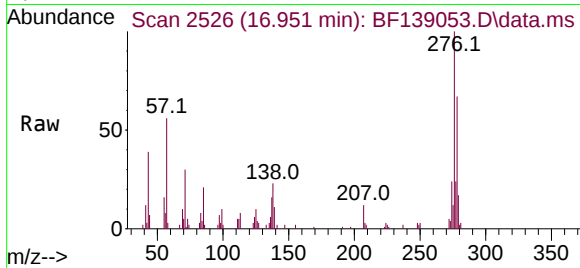




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.358 ng  
 RT: 16.951 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

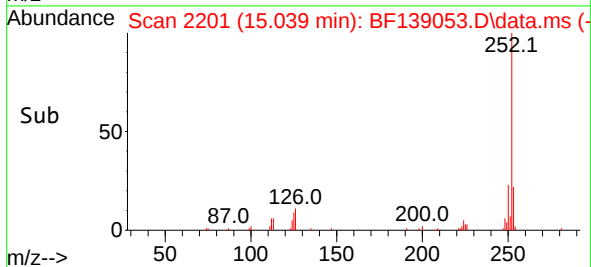
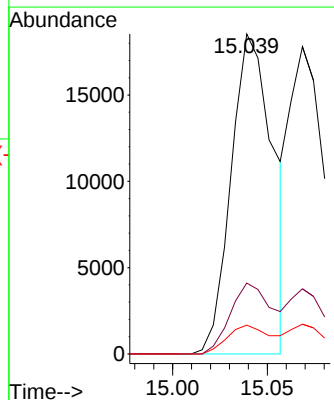
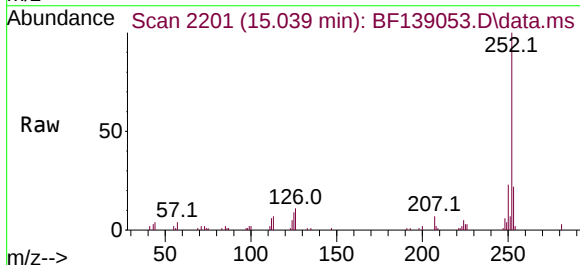
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

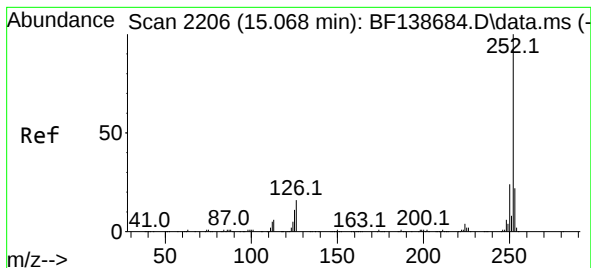
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 26731 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 22.6  | 21.8  | 32.8  |
| 277       | 25.0  | 20.6  | 30.8  |



#88  
 Benzo(b)fluoranthene  
 Concen: 5.376 ng  
 RT: 15.039 min Scan# 2201  
 Delta R.T. 0.000 min  
 Lab File: BF139053.D  
 Acq: 16 Aug 2024 12:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 28521 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.2  | 17.5  | 26.3  |
| 125       | 9.0   | 8.9   | 13.3  |





#89

Benzo(k)fluoranthene

Concen: 5.319 ng

RT: 15.069 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2024

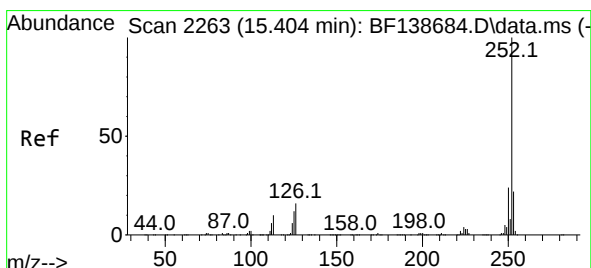
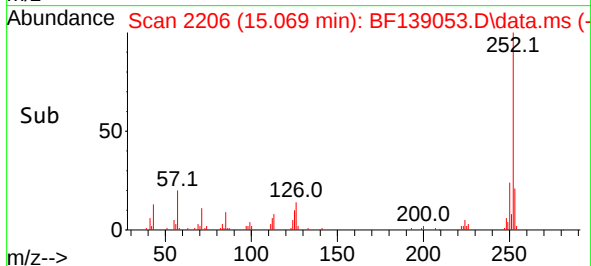
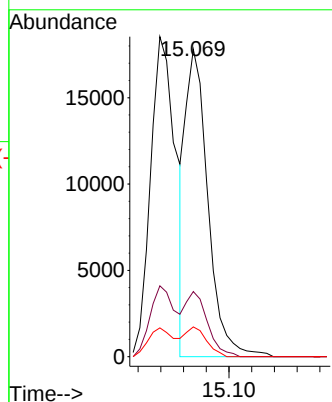
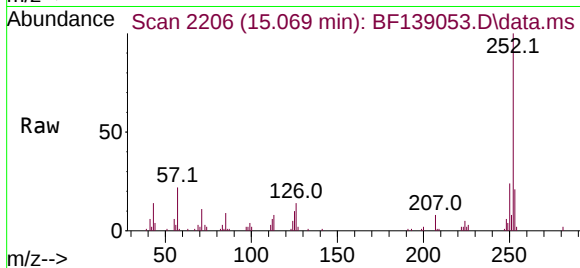
Tgt Ion:252 Resp: 24435

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 9.7 8.6 13.0



#90

Benzo(a)pyrene

Concen: 5.550 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF139053.D

Acq: 16 Aug 2024 12:14

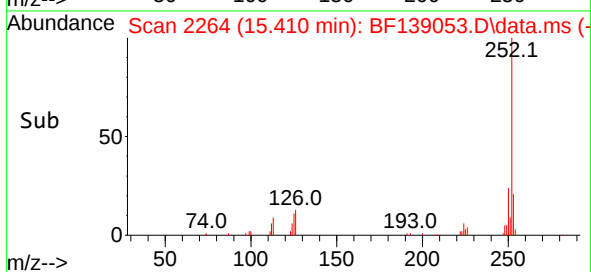
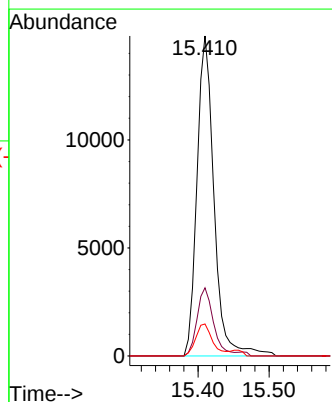
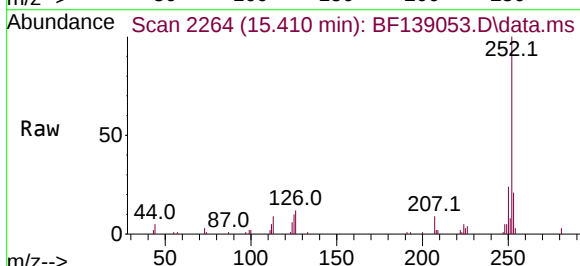
Tgt Ion:252 Resp: 24769

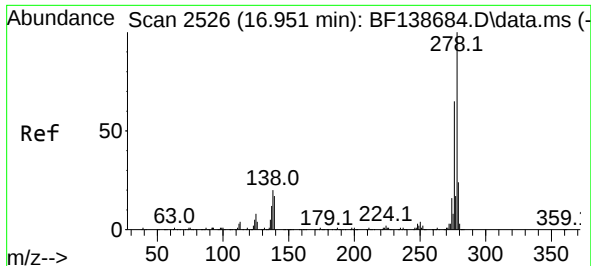
Ion Ratio Lower Upper

252 100

253 21.3 17.3 25.9

125 10.0 9.5 14.3

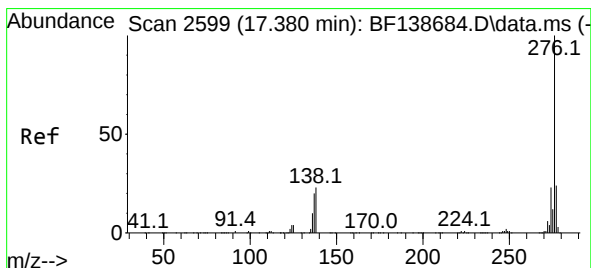
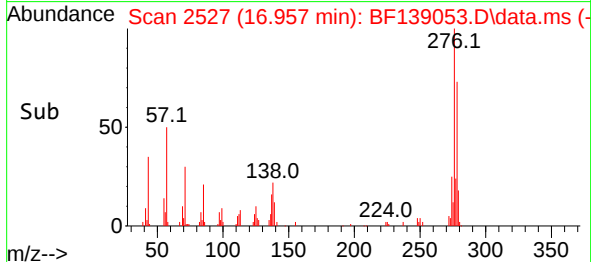
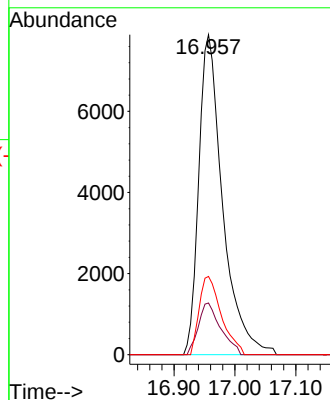
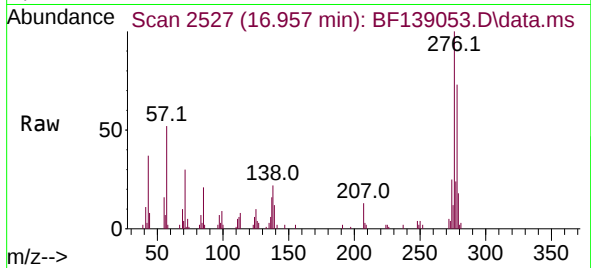




#91  
Dibenzo(a,h)anthracene  
Concen: 4.264 ng  
RT: 16.957 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.2  | 14.0  | 21.0  |
| 279     | 24.5  | 19.0  | 28.4  |



#92  
Benzo(g,h,i)perylene  
Concen: 4.027 ng  
RT: 17.404 min Scan# 2603  
Delta R.T. 0.024 min  
Lab File: BF139053.D  
Acq: 16 Aug 2024 12:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 25.4  | 19.0  | 28.4  |
| 138     | 19.1  | 18.5  | 27.7  |

